

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054118.D
 Acq On : 6 Mar 2019 14:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 07 05:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	590092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	974687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	804245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	310985	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	37445	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
35) Dibromofluoromethane	7.59	113	30436	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
50) Toluene-d8	10.09	98	113097	4.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.40%	
62) 4-Bromofluorobenzene	12.40	95	34416	4.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	33455	5.899	ug/l	99
3) Chloromethane	2.05	50	48003	5.907	ug/l	96
4) Vinyl Chloride	2.19	62	44023	5.729	ug/l	96
5) Bromomethane	2.57	94	30935	6.209	ug/l	96
6) Chloroethane	2.70	64	26695	5.732	ug/l	96
7) Trichlorofluoromethane	3.02	101	52098	5.550	ug/l	95
8) Diethyl Ether	3.41	74	22414	5.992	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33782	5.532	ug/l	98
10) Methyl Iodide	3.95	142	23093	3.563	ug/l	97
11) Tert butyl alcohol	4.77	59	9182	21.297	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	31404	5.512	ug/l	97
13) Acrolein	3.61	56	6618	17.454	ug/l	91
14) Allyl chloride	4.32	41	57131	5.565	ug/l	98
15) Acrylonitrile	4.99	53	67362	27.680	ug/l	98
16) Acetone	3.82	43	66762	30.449	ug/l	98
17) Carbon Disulfide	4.05	76	105515	5.678	ug/l	98
18) Methyl Acetate	4.32	43	29890	5.347	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	87672	5.483	ug/l	99
20) Methylene Chloride	4.55	84	43049	6.179	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	34827	5.568	ug/l	92
22) Diisopropyl ether	5.95	45	104426	5.221	ug/l	90
23) Vinyl Acetate	5.90	43	374270	26.343	ug/l	100
24) 1,1-Dichloroethane	5.85	63	66121	5.525	ug/l	96
25) 2-Butanone	6.84	43	80129	27.592	ug/l	98
26) 2,2-Dichloropropane	6.82	77	47239	5.477	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	38439	5.512	ug/l	100
28) Bromochloromethane	7.20	49	30312	5.075	ug/l	99
29) Tetrahydrofuran	7.21	42	53351	28.028	ug/l	98
30) Chloroform	7.37	83	62930	5.488	ug/l	96
31) Cyclohexane	7.65	56	67956	5.230	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	51941	5.464	ug/l	99
36) 1,1-Dichloropropene	7.79	75	45328	4.955	ug/l	98
37) Ethyl Acetate	6.93	43	34964	5.331	ug/l	97
38) Carbon Tetrachloride	7.77	117	45700	5.233	ug/l	96

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 Data File : VN054118.D
 Acq On : 6 Mar 2019 14:04
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Quant Time: Mar 07 05:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	54965	5.206	ug/l	96
40) Benzene	8.04	78	146577	5.415	ug/l	99
41) Methacrylonitrile	7.17	41	14509	3.639	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	48035	5.603	ug/l	100
43) Isopropyl Acetate	8.17	43	57693	5.659	ug/l #	84
44) Trichloroethene	8.83	130	38756	5.340	ug/l	92
45) 1,2-Dichloropropane	9.12	63	39501	5.291	ug/l	96
46) Dibromomethane	9.21	93	23559	5.528	ug/l	98
47) Bromodichloromethane	9.40	83	47195	5.290	ug/l	100
48) Methyl methacrylate	9.20	41	24724	4.911	ug/l	97
49) 1,4-Dioxane	9.20	88	8104	121.826	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	149465	25.591	ug/l	99
52) Toluene	10.16	92	84745	5.285	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	42406	4.819	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	52564	5.054	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	32886	5.446	ug/l	98
56) Ethyl methacrylate	10.43	69	32993	4.654	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	54106	5.252	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	75686	23.327	ug/l	100
59) 2-Hexanone	10.75	43	97972	25.427	ug/l	97
60) Dibromochloromethane	10.90	129	33081	5.124	ug/l	100
61) 1,2-Dibromoethane	11.01	107	29215	5.085	ug/l	94
64) Tetrachloroethene	10.63	164	37887	5.740	ug/l	98
65) Chlorobenzene	11.43	112	90107	5.384	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	31693	5.290	ug/l	99
67) Ethyl Benzene	11.51	91	146929	5.246	ug/l	98
68) m/p-Xylenes	11.62	106	109422	10.353	ug/l	99
69) o-Xylene	11.95	106	52498	5.162	ug/l	96
70) Styrene	11.96	104	78052	4.835	ug/l	99
71) Bromoform	12.13	173	20646	5.007	ug/l #	97
73) Isopropylbenzene	12.25	105	141718	5.727	ug/l	98
74) N-amyl acetate	12.07	43	33992	5.187	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	38643	6.000	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	45304	9.317	ug/l #	100
77) Bromobenzene	12.53	156	35228	5.526	ug/l	99
78) n-propylbenzene	12.59	91	151520	5.442	ug/l	100
79) 2-Chlorotoluene	12.67	91	95852	5.668	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	110333	5.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	7557	4.897	ug/l #	83
82) 4-Chlorotoluene	12.77	91	90370	5.361	ug/l	99
83) tert-Butylbenzene	12.99	119	102680	5.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	108900	5.455	ug/l	96
85) sec-Butylbenzene	13.17	105	137879	5.704	ug/l	100
86) p-Isopropyltoluene	13.29	119	110792	5.452	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	58026	5.358	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	55933	5.205	ug/l	95
89) n-Butylbenzene	13.62	91	84716	4.937	ug/l	98
90) Hexachloroethane	13.87	117	22101	5.670	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	57835	5.365	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5165	5.721	ug/l	94

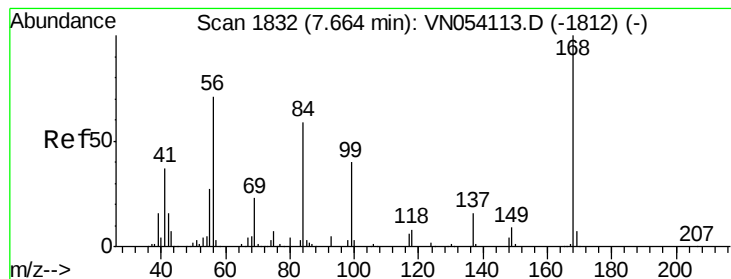
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
Data File : VN054118.D
Acq On : 6 Mar 2019 14:04
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Mar 07 05:59:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 05:44:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	21592	4.196	ug/l	100
94) Hexachlorobutadiene	15.01	225	22109	5.730	ug/l	97
95) Naphthalene	15.13	128	38505	3.628	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	22016	4.251	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

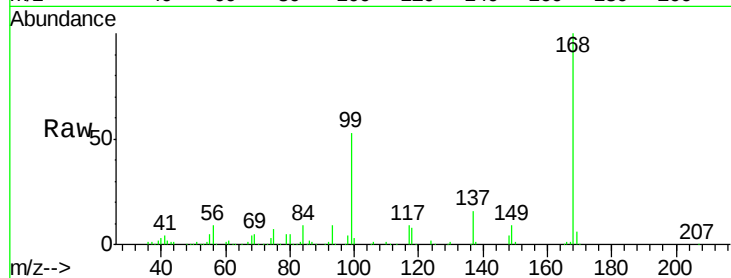
VSTDIC005

Tgt Ion:168 Resp: 590092

Ion Ratio Lower Upper

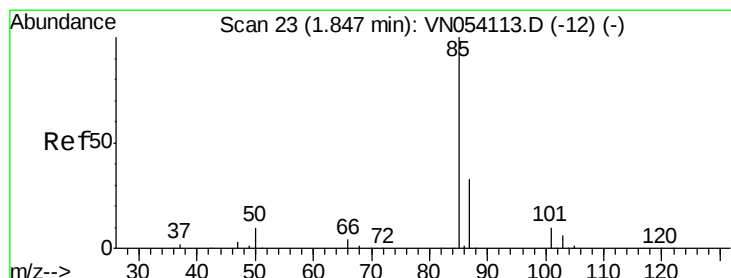
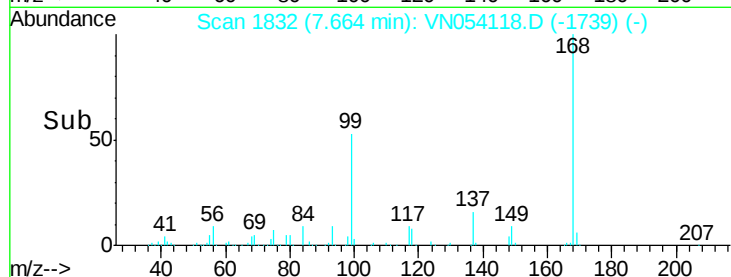
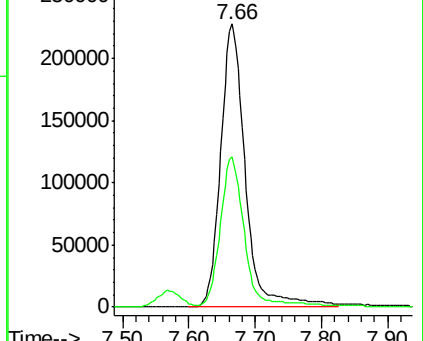
168 100

99 52.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 5.899 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054118.D

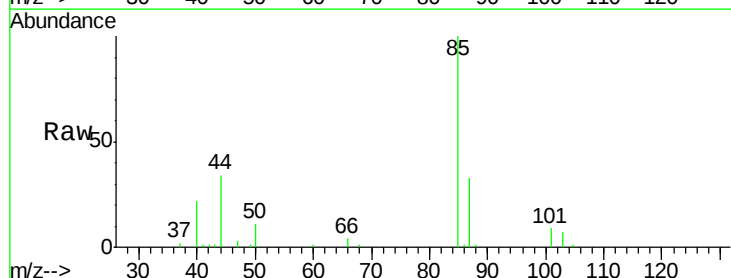
Acq: 6 Mar 2019 14:04

Tgt Ion: 85 Resp: 33455

Ion Ratio Lower Upper

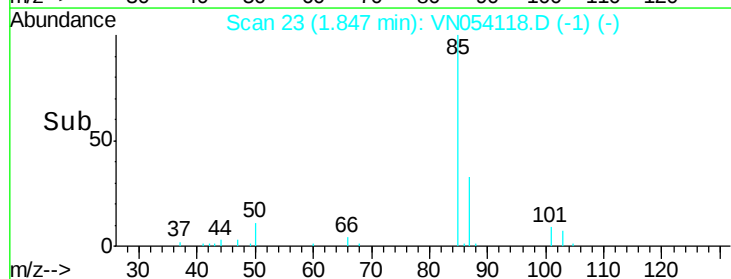
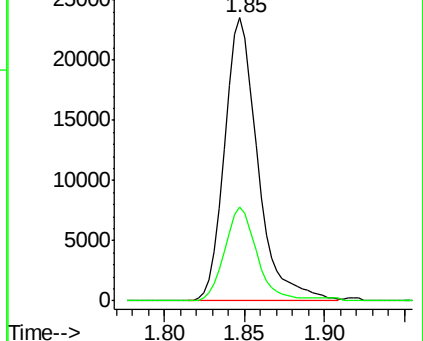
85 100

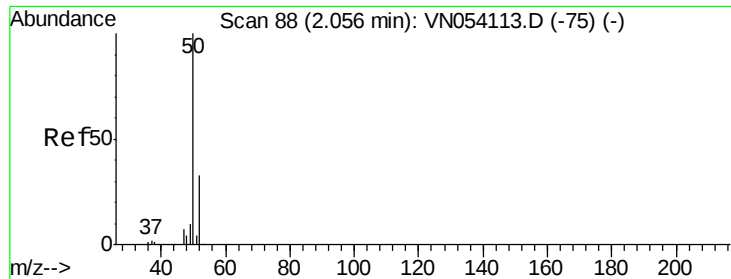
87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 5.907 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

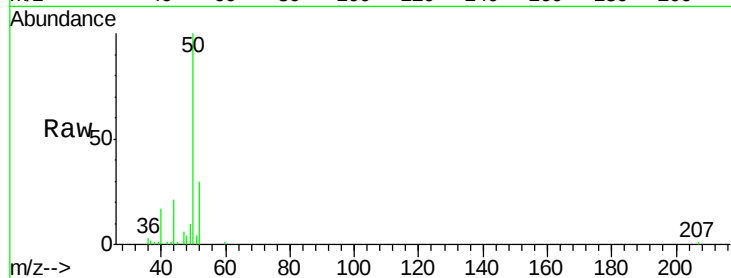
VSTDIC005

Tgt Ion: 50 Resp: 48003

Ion Ratio Lower Upper

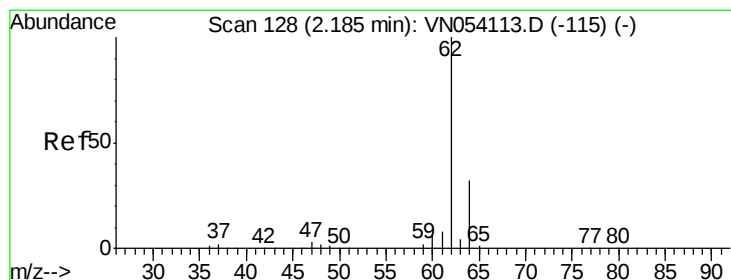
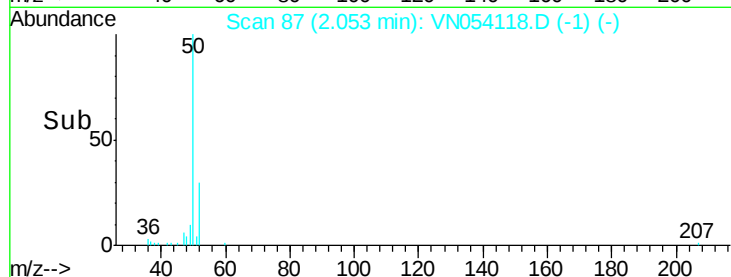
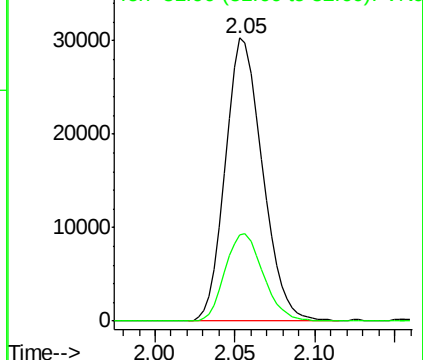
50 100

52 30.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.729 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054118.D

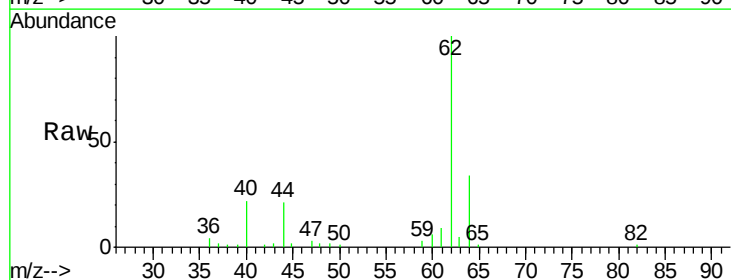
Acq: 6 Mar 2019 14:04

Tgt Ion: 62 Resp: 44023

Ion Ratio Lower Upper

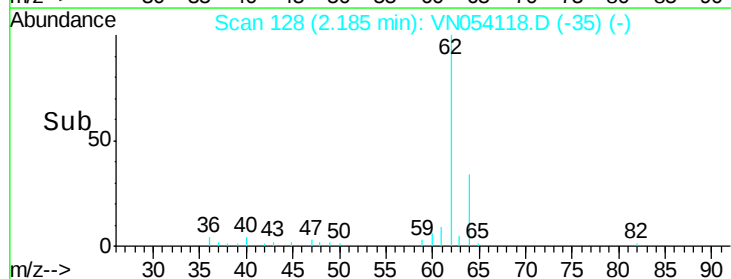
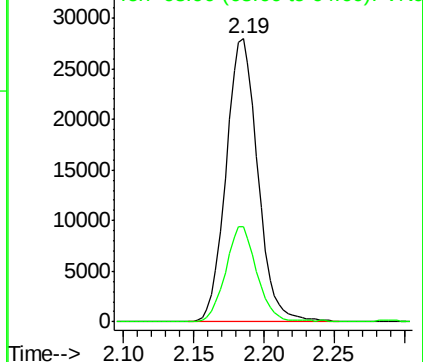
62 100

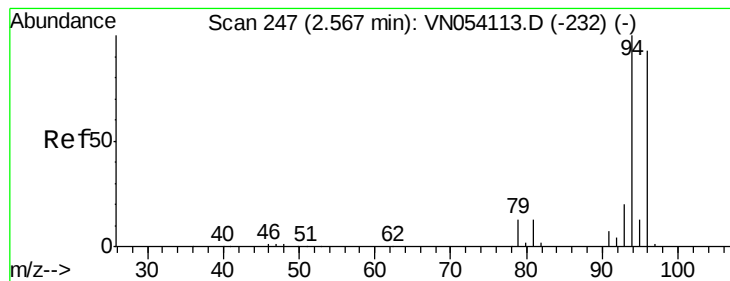
64 33.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 6.209 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

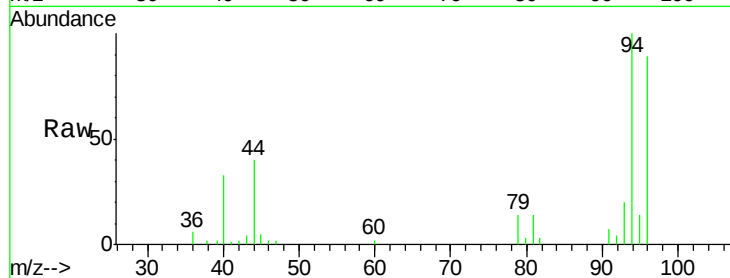
VSTDIC005

Tgt Ion: 94 Resp: 30935

Ion Ratio Lower Upper

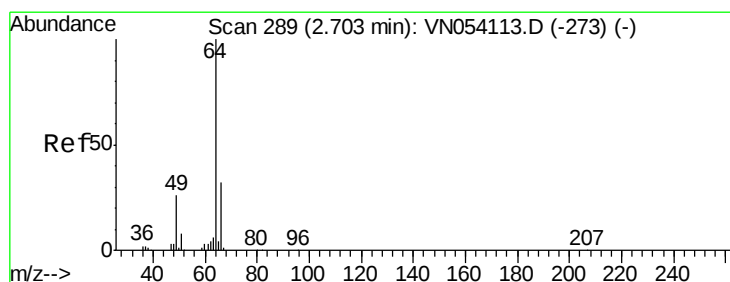
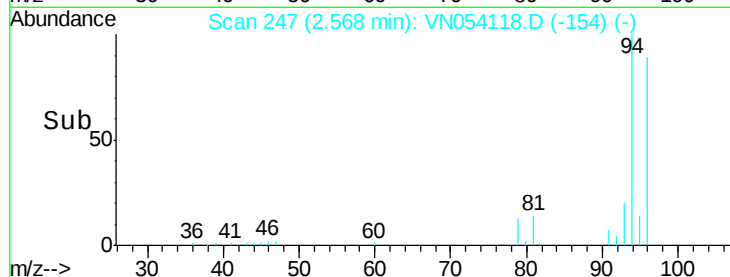
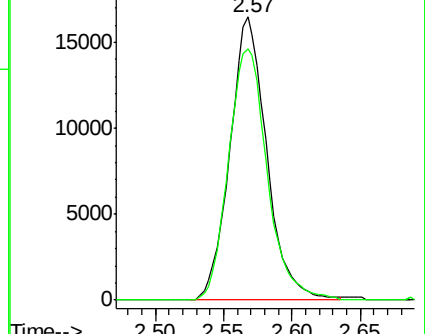
94 100

96 88.9 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.732 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN054118.D

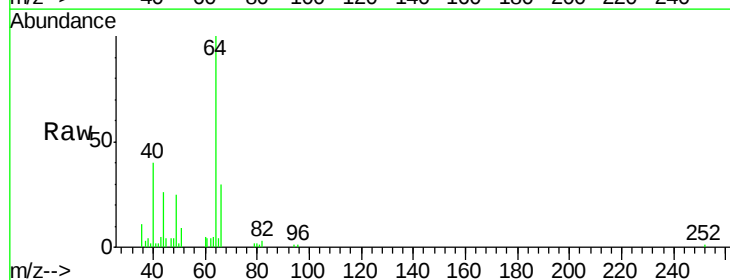
Acq: 6 Mar 2019 14:04

Tgt Ion: 64 Resp: 26695

Ion Ratio Lower Upper

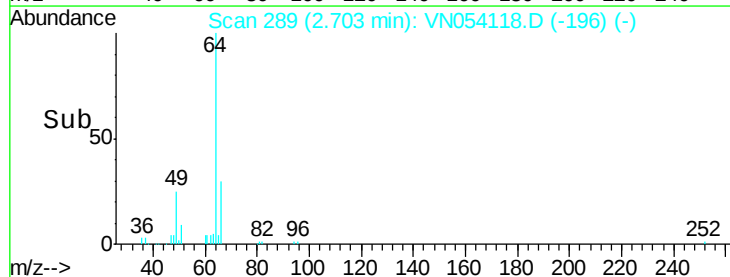
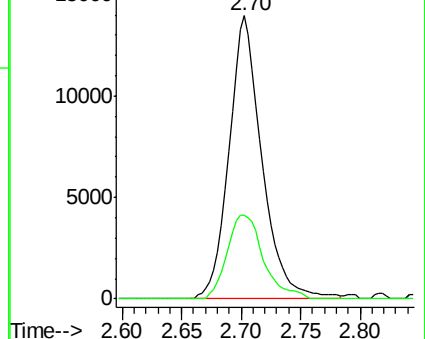
64 100

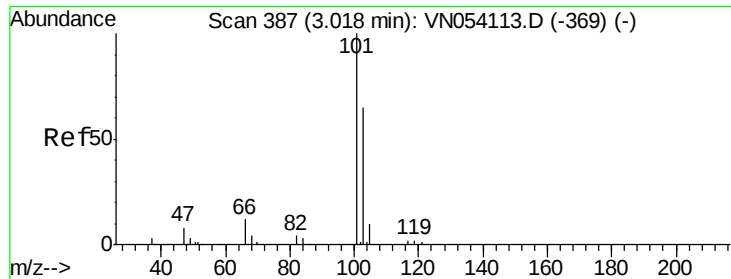
66 29.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



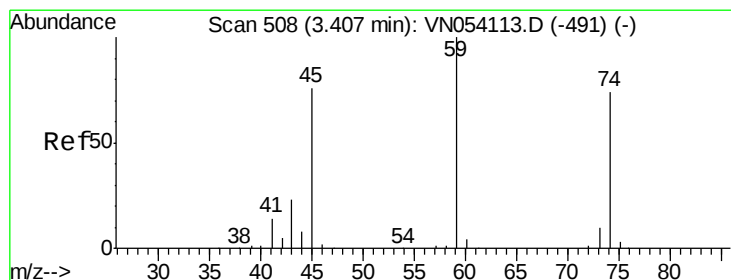
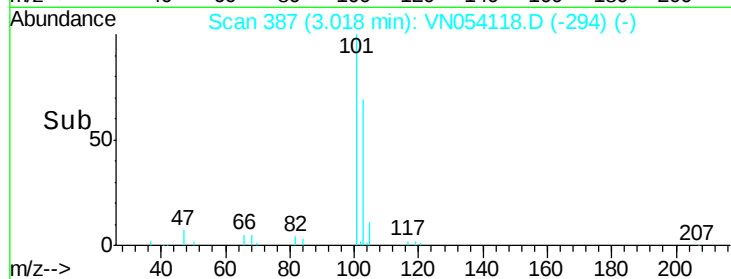
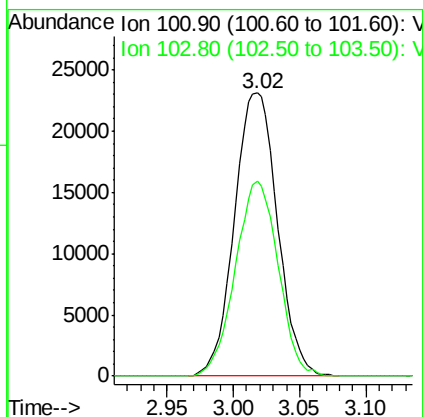
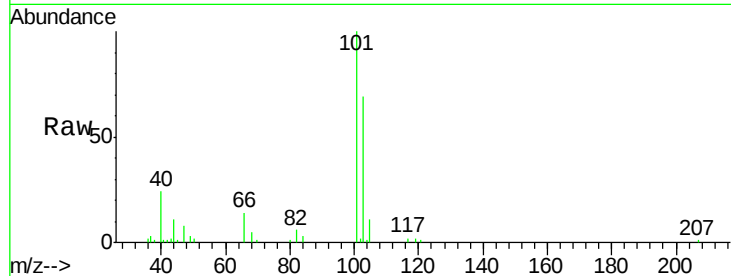


#7

Trichlorofluoromethane
 Concen: 5.550 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

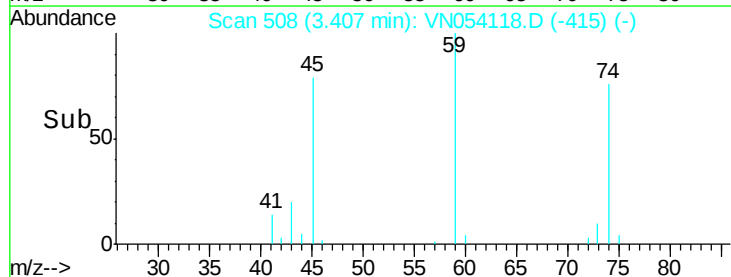
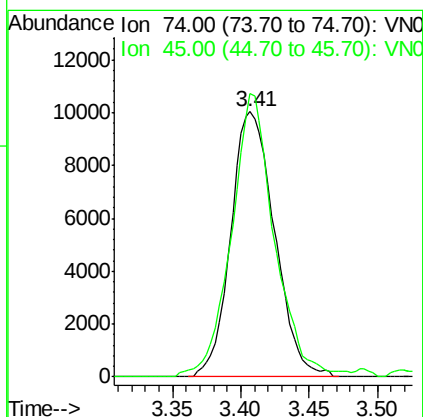
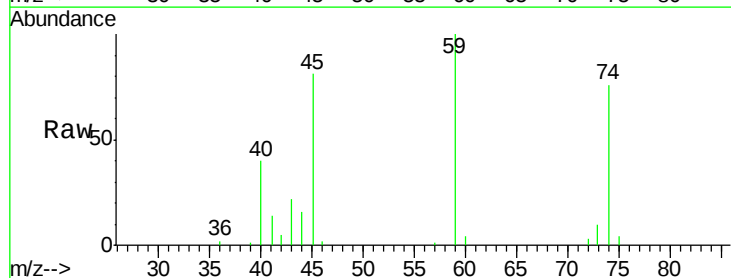
Tgt Ion:101 Resp: 52098
 Ion Ratio Lower Upper
 101 100
 103 69.0 52.0 78.0

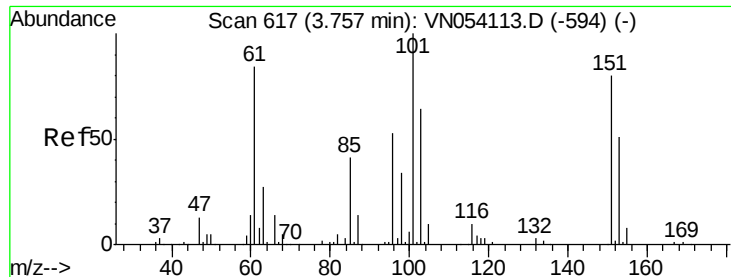


#8

Diethyl Ether
 Concen: 5.992 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 74 Resp: 22414
 Ion Ratio Lower Upper
 74 100
 45 105.0 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.532 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

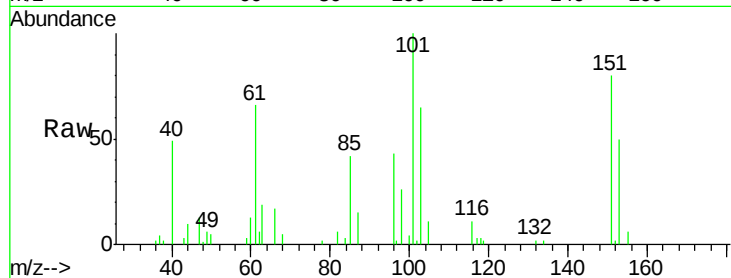
Tgt Ion:101 Resp: 33782

Ion Ratio Lower Upper

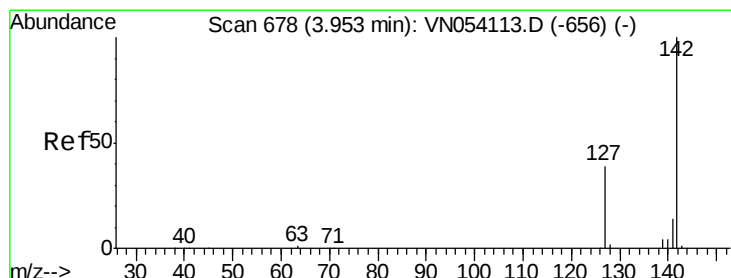
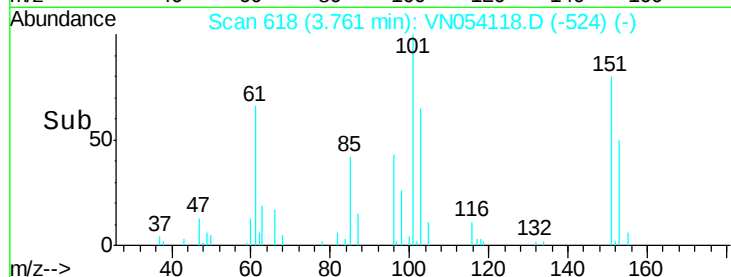
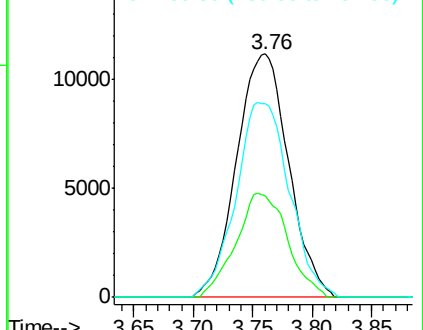
101 100

85 42.3 33.1 49.7

151 82.3 64.3 96.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.563 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

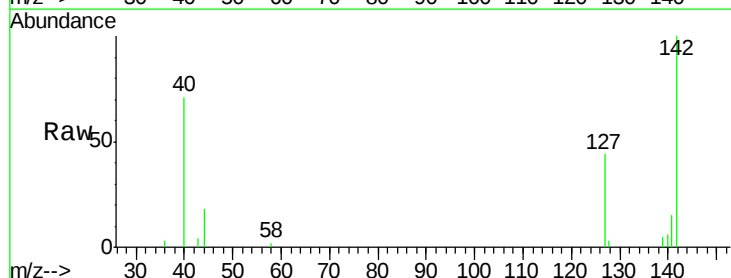
Tgt Ion:142 Resp: 23093

Ion Ratio Lower Upper

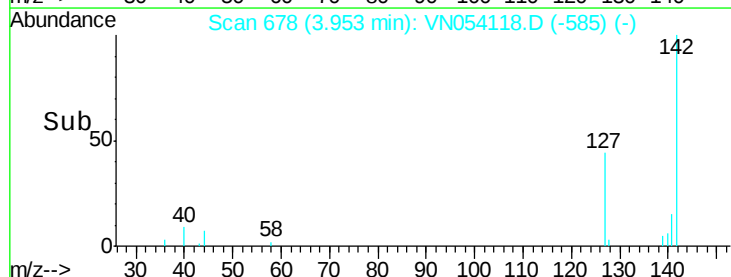
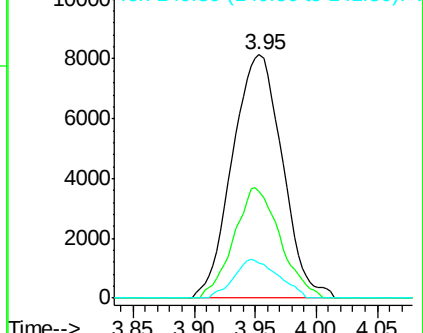
142 100

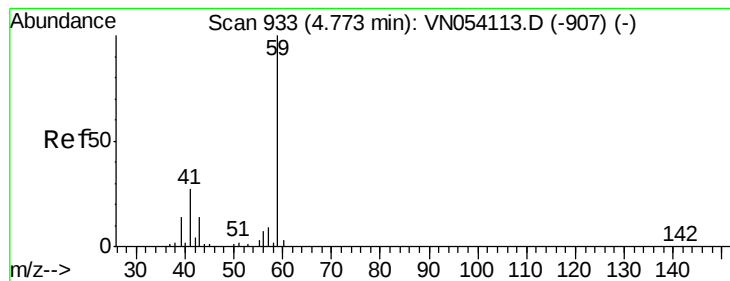
127 42.1 31.9 47.9

141 14.1 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



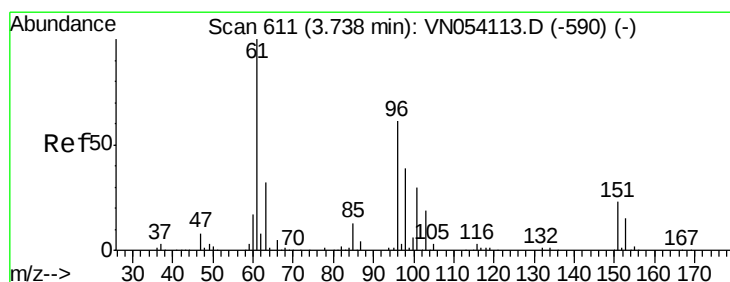
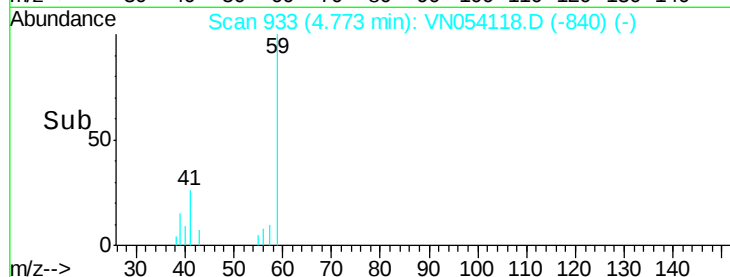
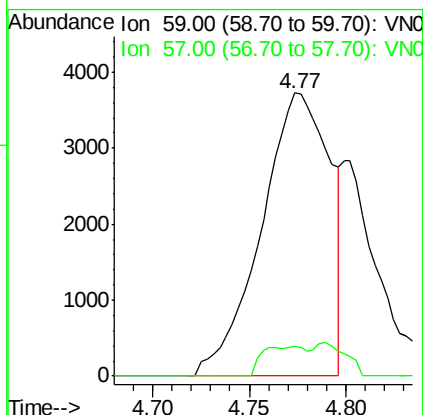
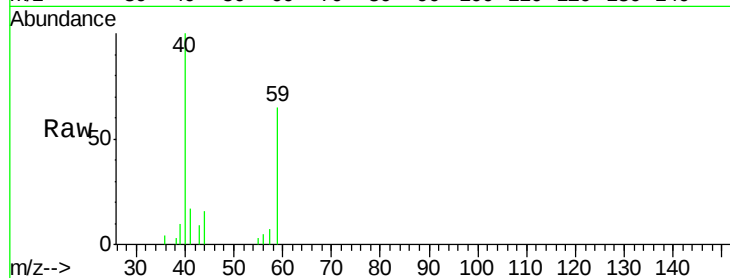


#11

Tert butyl alcohol
 Concen: 21.297 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

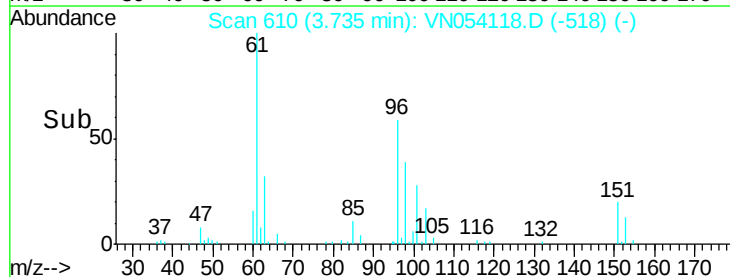
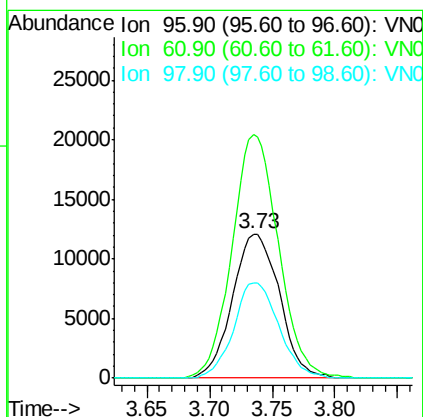
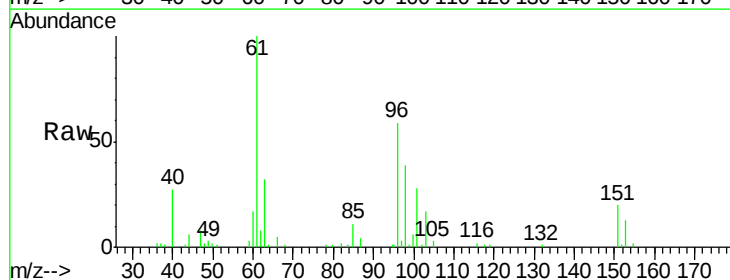
Tgt Ion: 59 Resp: 9182
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

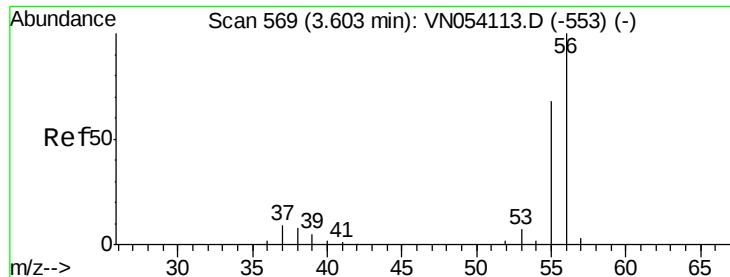


#12

1,1-Dichloroethene
 Concen: 5.512 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 96 Resp: 31404
 Ion Ratio Lower Upper
 96 100
 61 167.5 131.2 196.8
 98 66.4 50.7 76.1





#13

Acrolein

Concen: 17.454 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

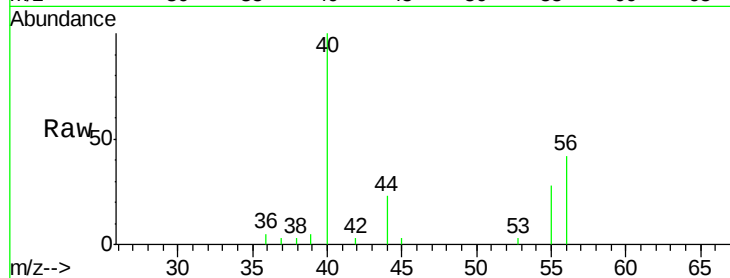
VSTDIC005

Tgt Ion: 56 Resp: 6618

Ion Ratio Lower Upper

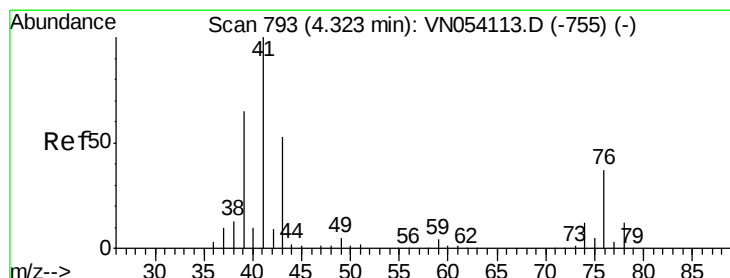
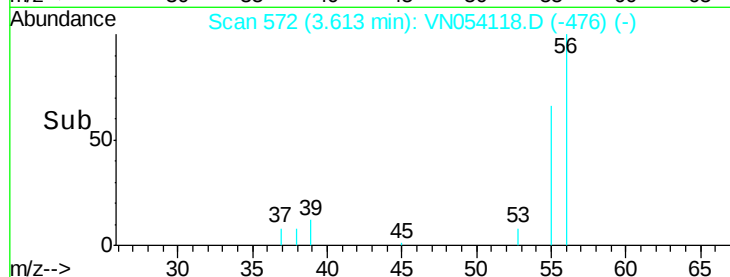
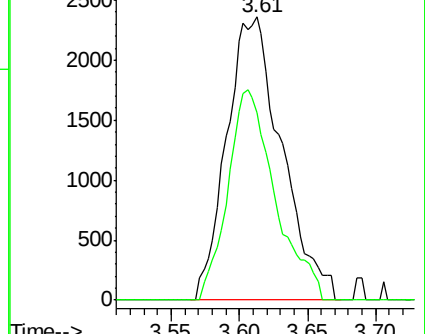
56 100

55 63.7 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.565 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

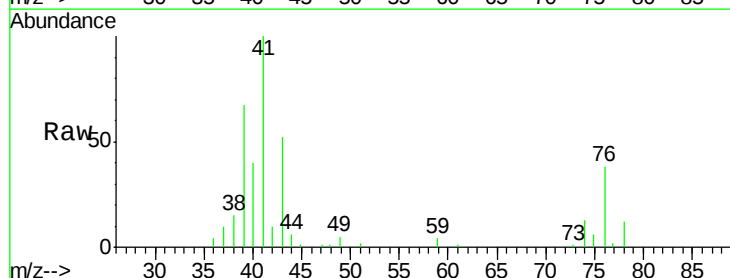
Tgt Ion: 41 Resp: 57131

Ion Ratio Lower Upper

41 100

39 60.5 49.3 73.9

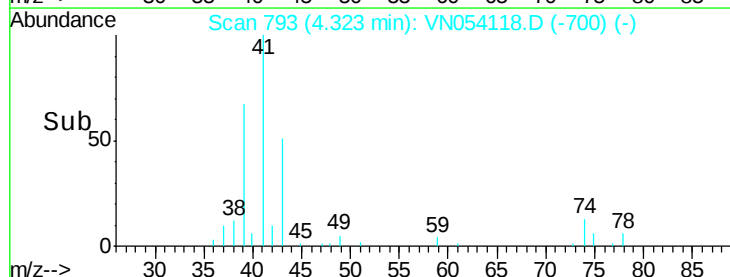
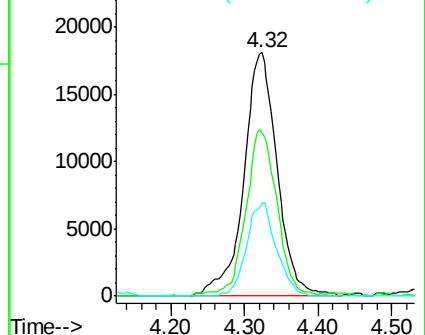
76 34.2 26.5 39.7

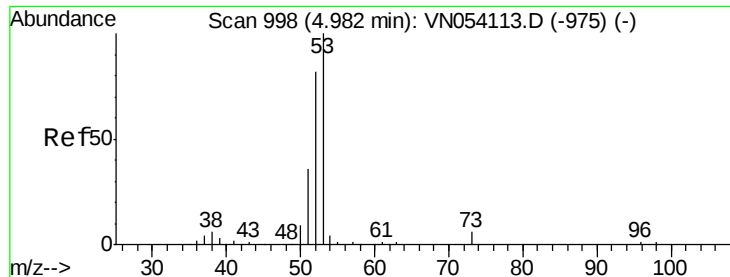


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 27.680 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

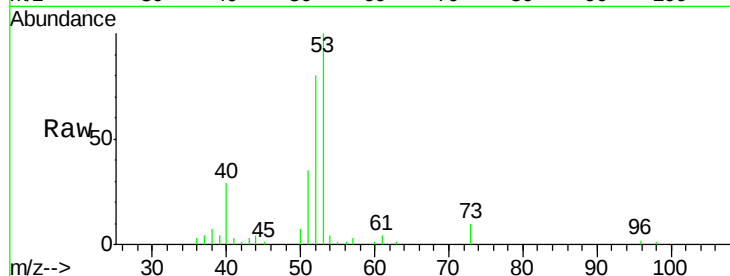
Tgt Ion: 53 Resp: 67362

Ion Ratio Lower Upper

53 100

52 82.2 64.6 97.0

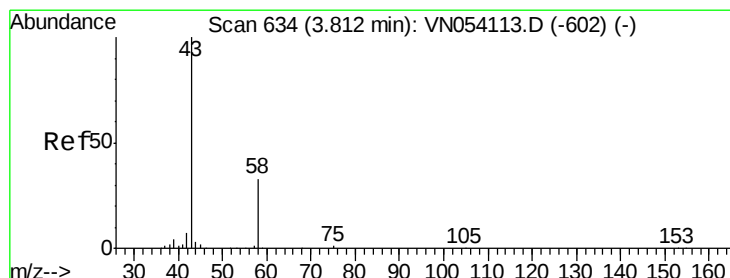
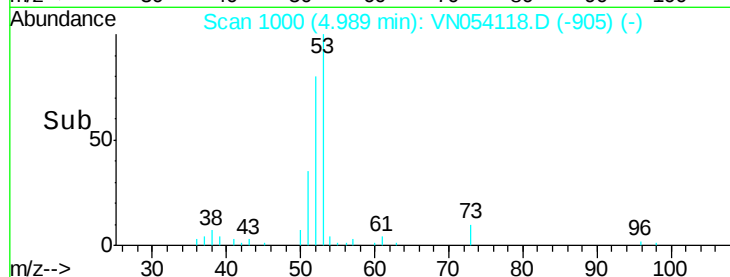
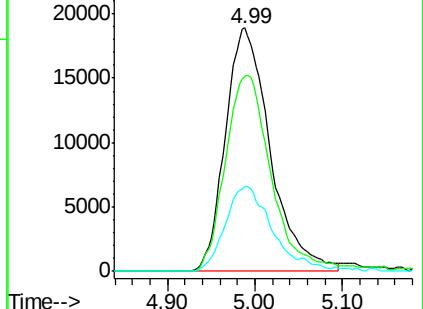
51 34.5 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 30.449 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN054118.D

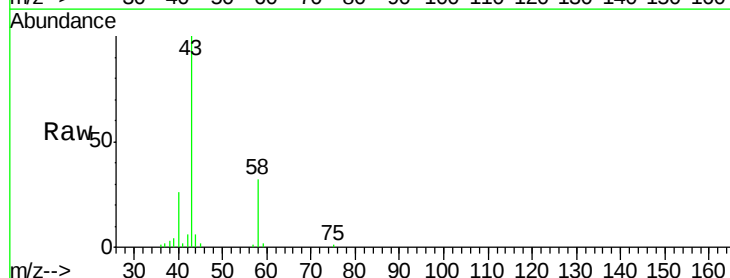
Acq: 6 Mar 2019 14:04

Tgt Ion: 43 Resp: 66762

Ion Ratio Lower Upper

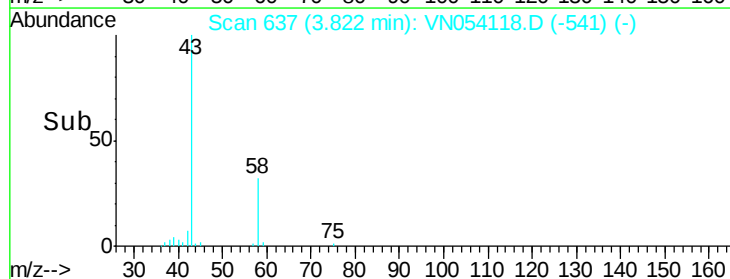
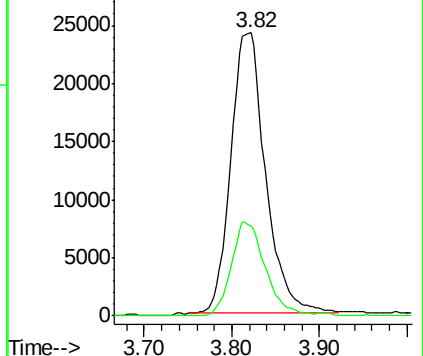
43 100

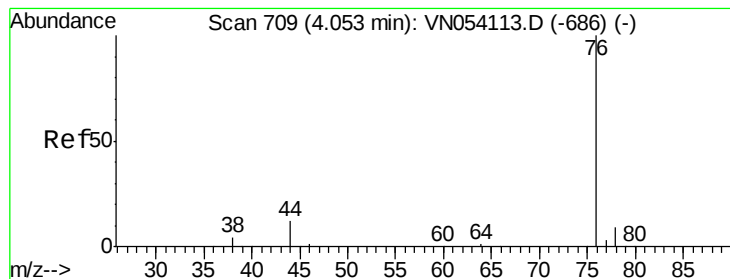
58 32.1 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 5.678 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

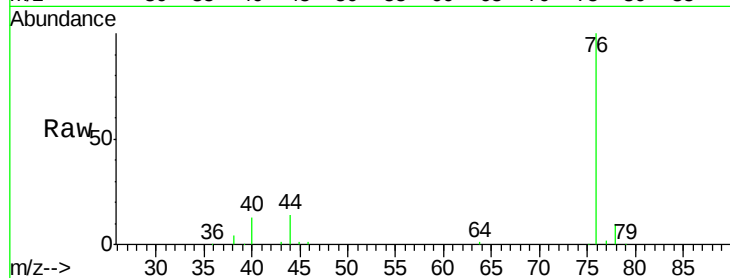
VSTDIC005

Tgt Ion: 76 Resp: 105515

Ion Ratio Lower Upper

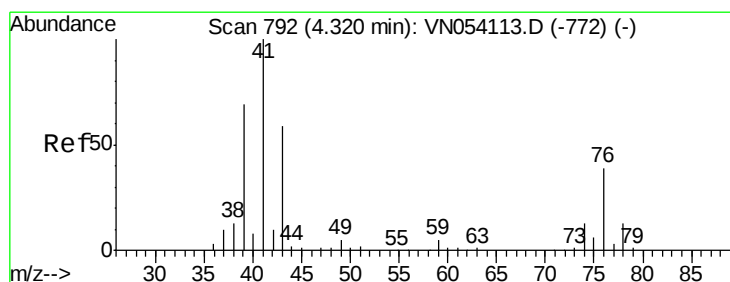
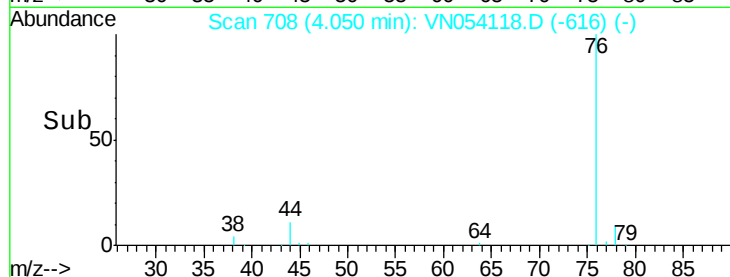
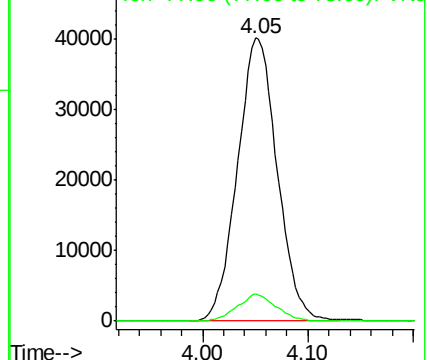
76 100

78 9.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 5.347 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054118.D

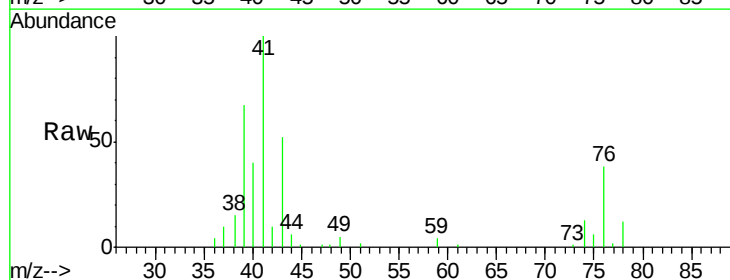
Acq: 6 Mar 2019 14:04

Tgt Ion: 43 Resp: 29890

Ion Ratio Lower Upper

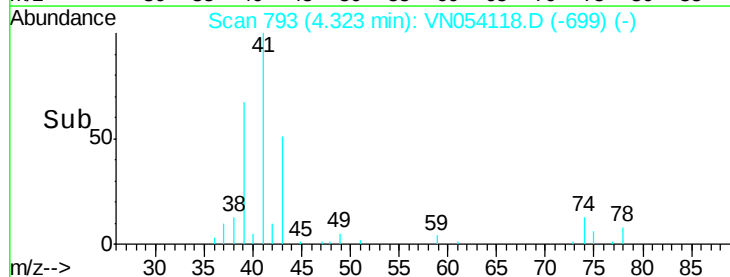
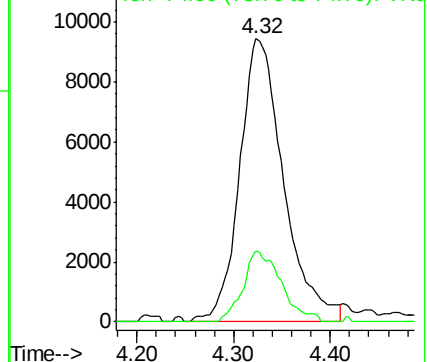
43 100

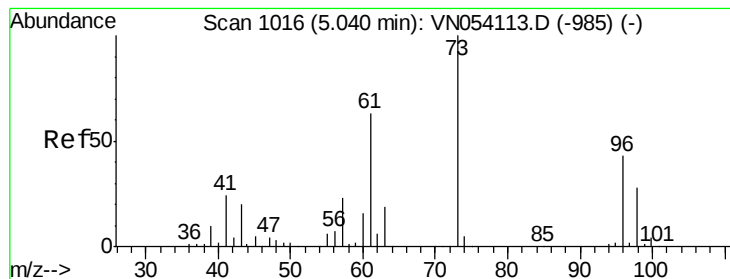
74 21.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

Methyl tert-butyl Ether

Concen: 5.483 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

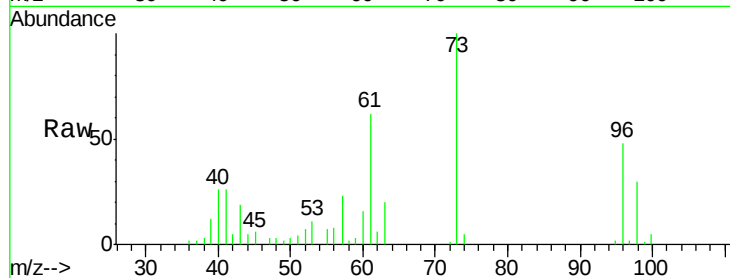
VSTDIC005

Tgt Ion: 73 Resp: 87672

Ion Ratio Lower Upper

73 100

57 23.3 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VN054118.D (-985) (-)

Ion 57.00 (56.70 to 57.70): VN054118.D (-985) (-)

5.05

25000

20000

15000

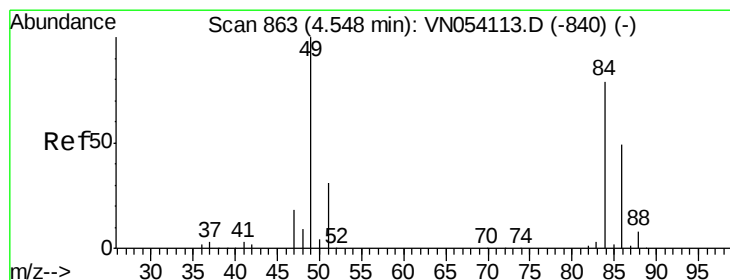
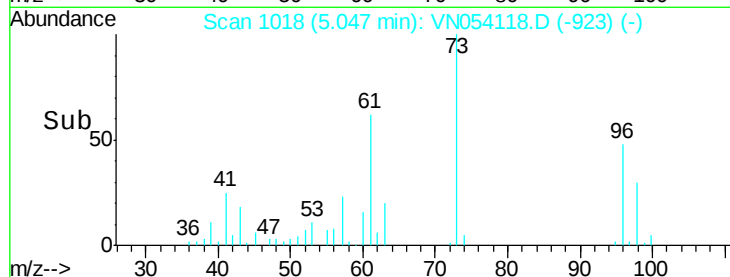
10000

5000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 6.179 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion: 84 Resp: 43049

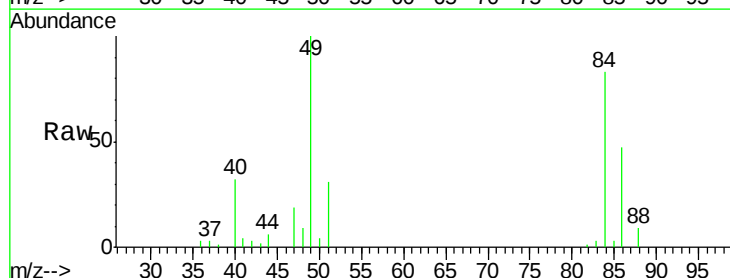
Ion Ratio Lower Upper

84 100

49 120.8 101.8 152.8

51 37.9 31.1 46.7

86 56.3 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VN054118.D (-770) (-)

Ion 48.90 (48.60 to 49.60): VN054118.D (-770) (-)

Ion 50.90 (50.60 to 51.60): VN054118.D (-770) (-)

Ion 85.90 (85.60 to 86.60): VN054118.D (-770) (-)

4.55

25000

20000

15000

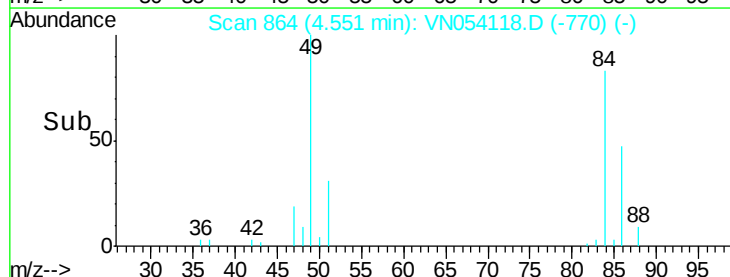
10000

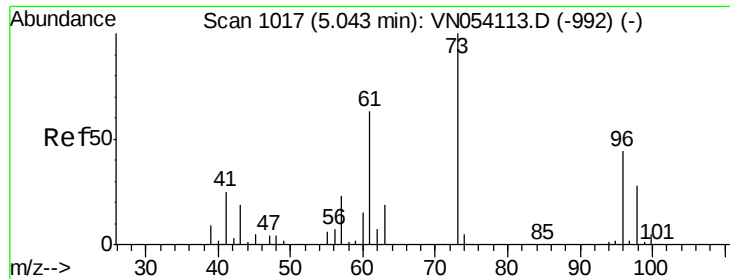
5000

0

Time-->

4.50 4.60 4.70

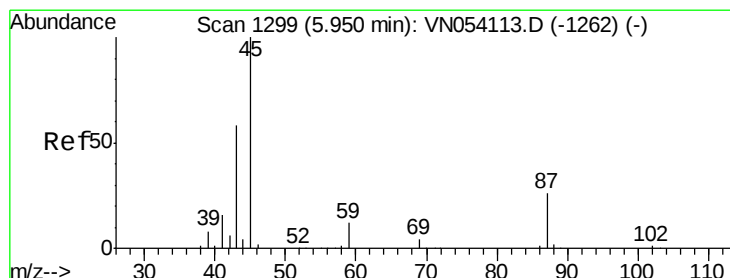
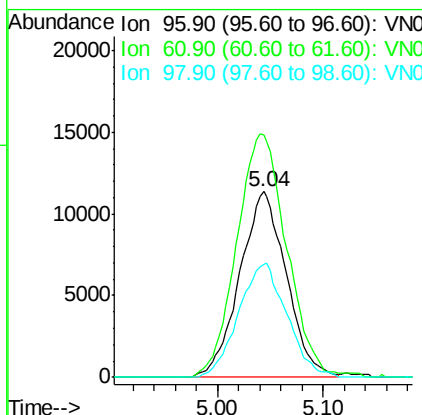
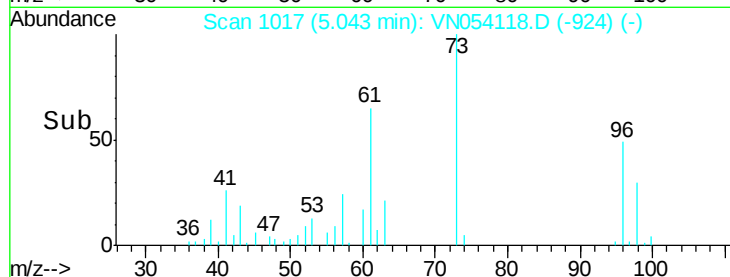
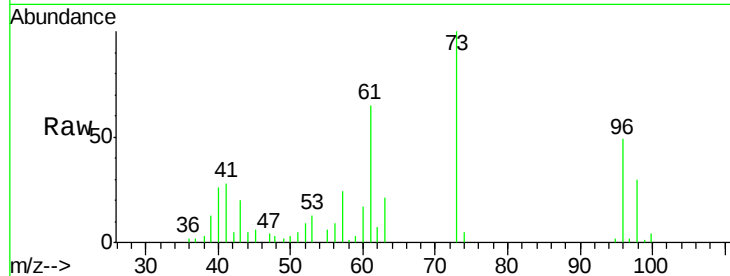




#21
trans-1,2-Dichloroethene
Concen: 5.568 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

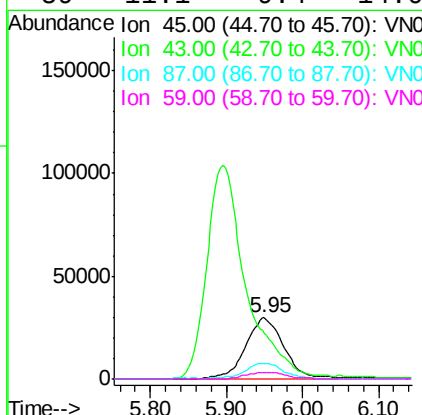
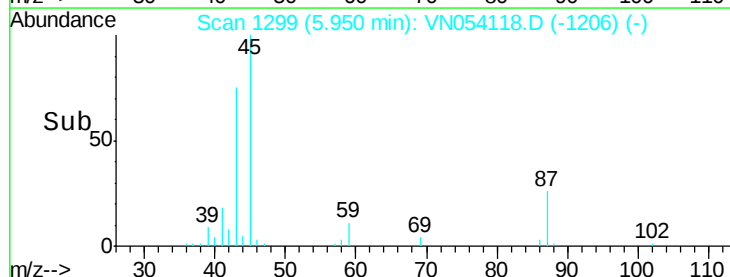
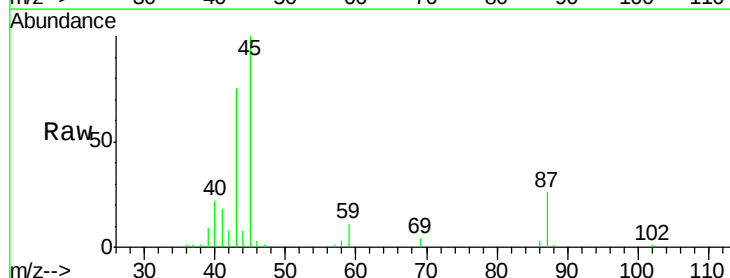
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

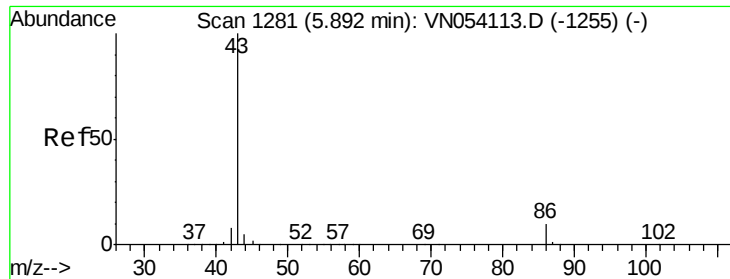
Tgt Ion: 96 Resp: 34827
Ion Ratio Lower Upper
96 100
61 130.7 114.8 172.2
98 61.2 51.4 77.0



#22
Diisopropyl ether
Concen: 5.221 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 45 Resp: 104426
Ion Ratio Lower Upper
45 100
43 69.3 46.2 69.4
87 25.2 20.6 31.0
59 11.1 9.4 14.0

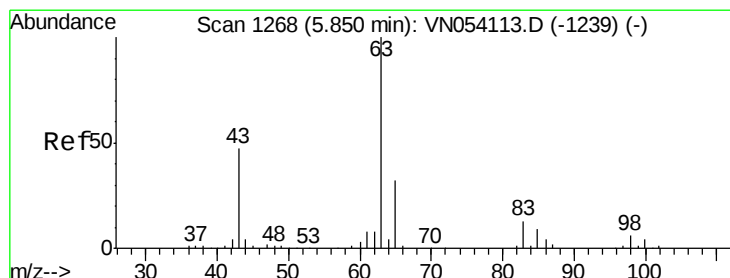
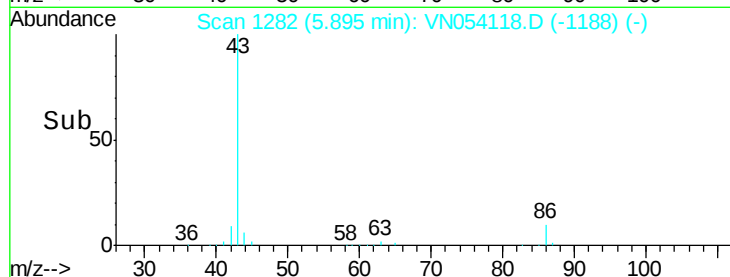
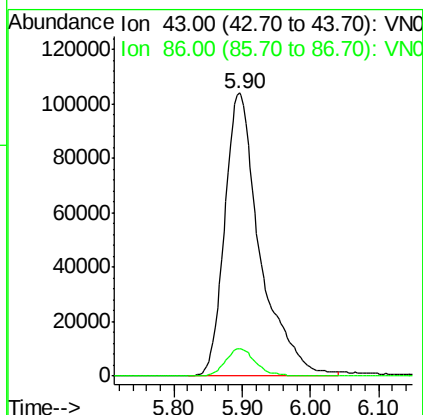
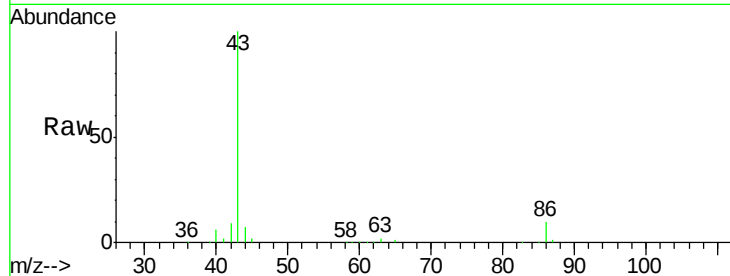




#23
 Vinyl Acetate
 Concen: 26.343 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

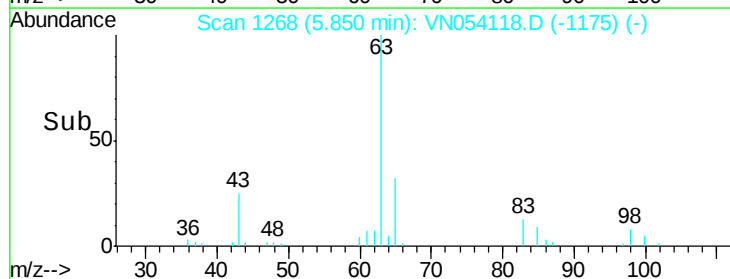
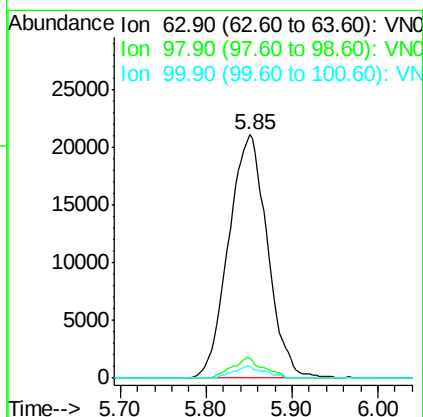
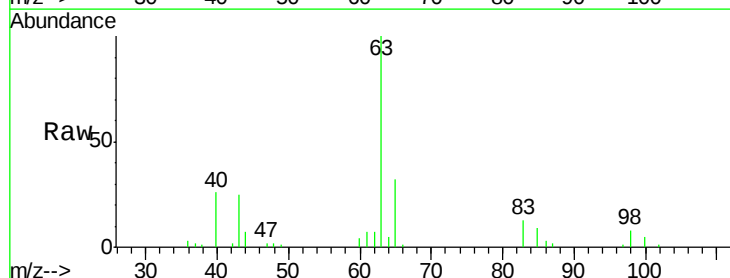
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

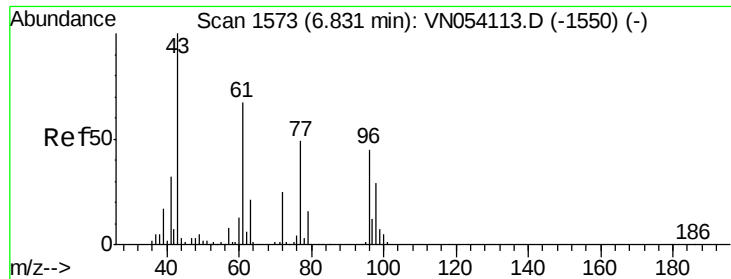
Tgt Ion: 43 Resp: 374270
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 5.525 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 63 Resp: 66121
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.1 9.4
 100 4.8 2.0 6.0

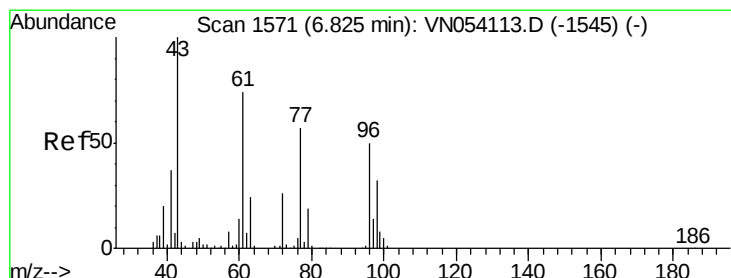
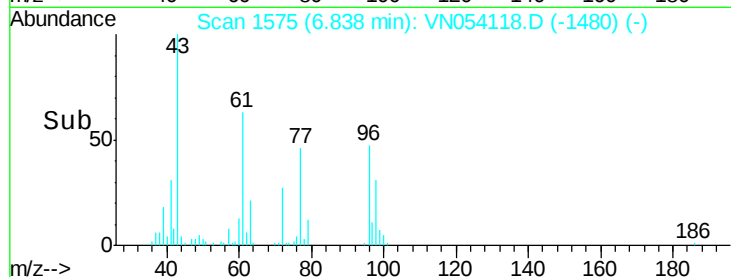
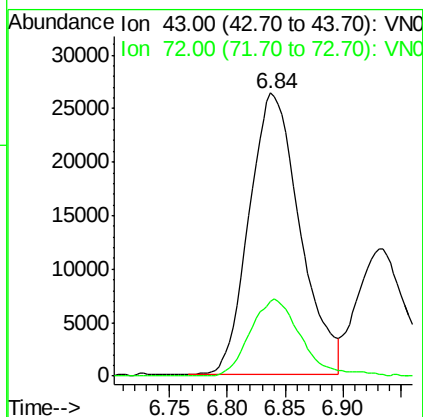
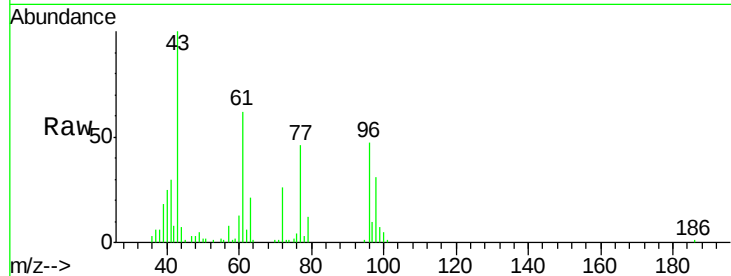




#25
2-Butanone
Concen: 27.592 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

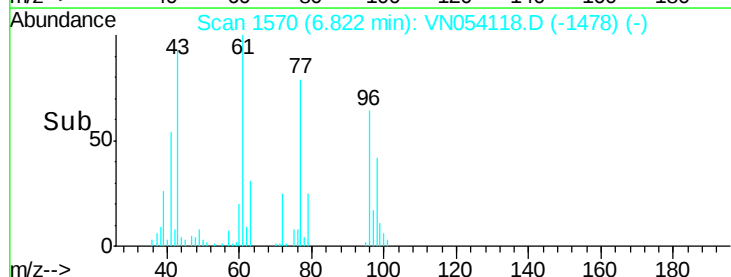
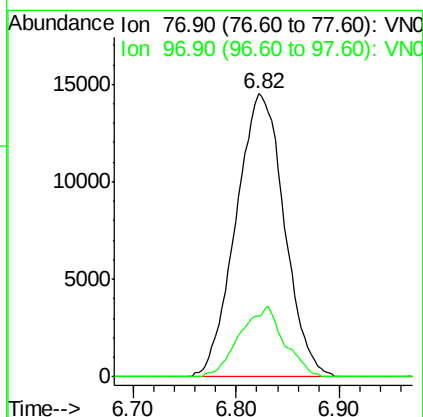
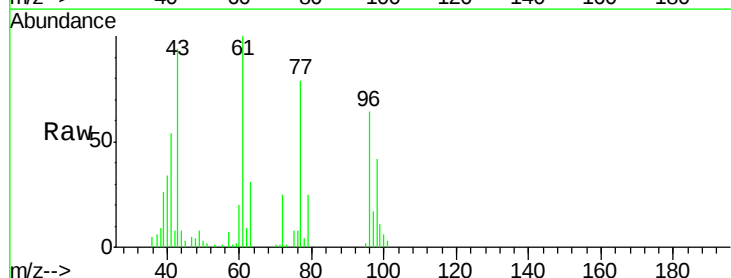
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

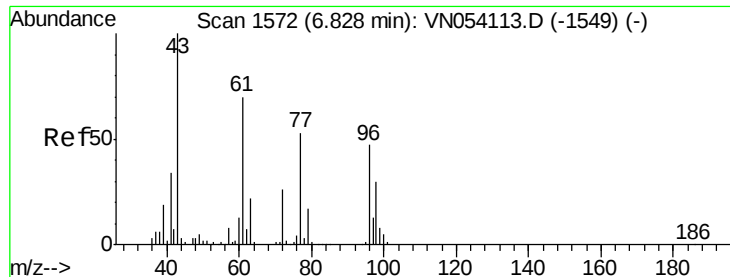
Tgt Ion: 43 Resp: 80129
Ion Ratio Lower Upper
43 100
72 26.4 20.2 30.2



#26
2,2-Dichloropropane
Concen: 5.477 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 77 Resp: 47239
Ion Ratio Lower Upper
77 100
97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 5.512 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

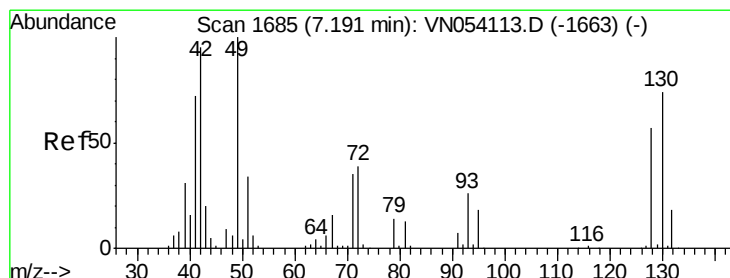
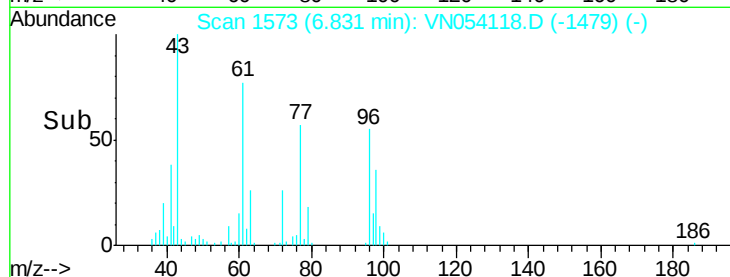
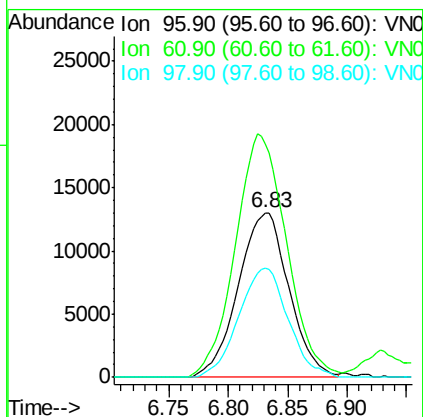
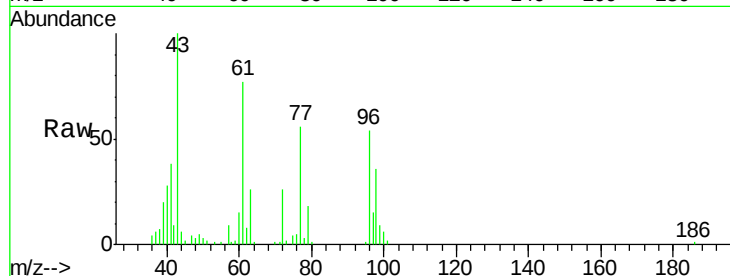
Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 96 Resp: 38439

Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	297.0
98	64.5	0.0	129.4



#28

Bromochloromethane

Concen: 5.075 ug/l

RT: 7.20 min Scan# 1687

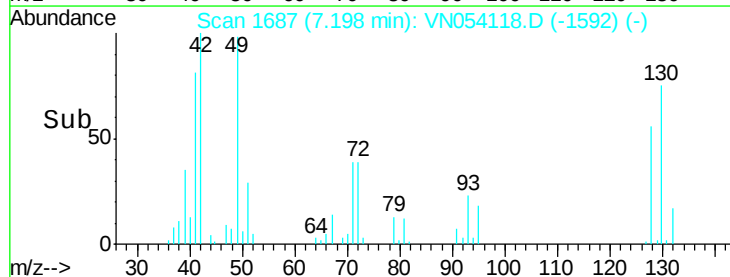
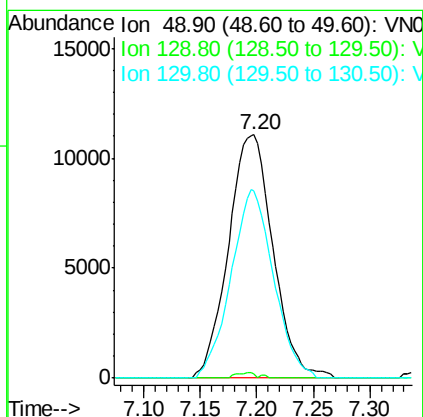
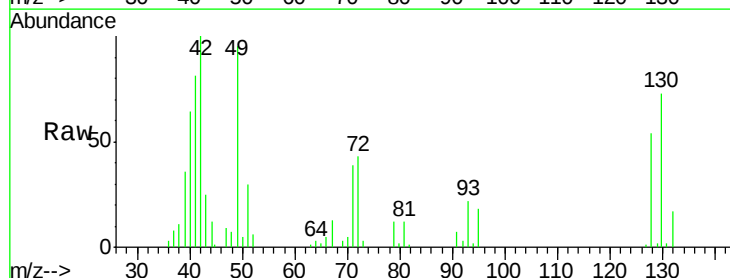
Delta R.T. 0.01 min

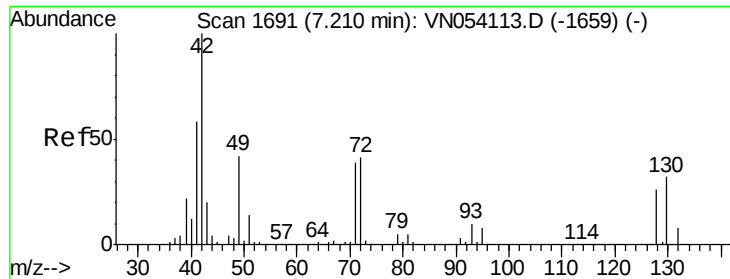
Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion: 49 Resp: 30312

Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	73.8	59.4	89.2

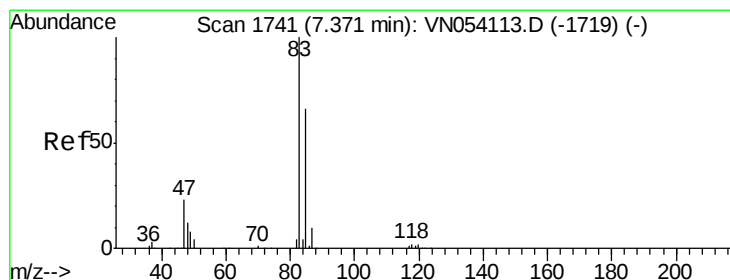
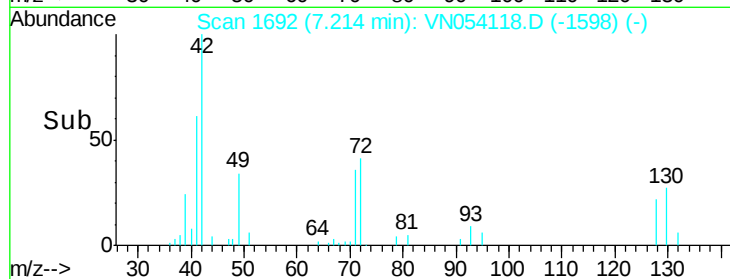
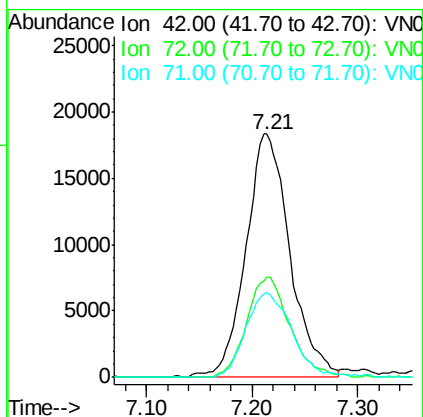
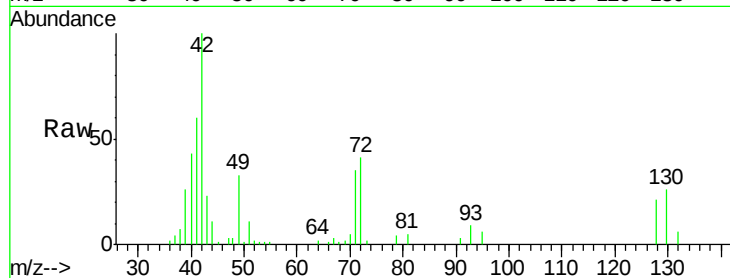




#29
Tetrahydrofuran
Concen: 28.028 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

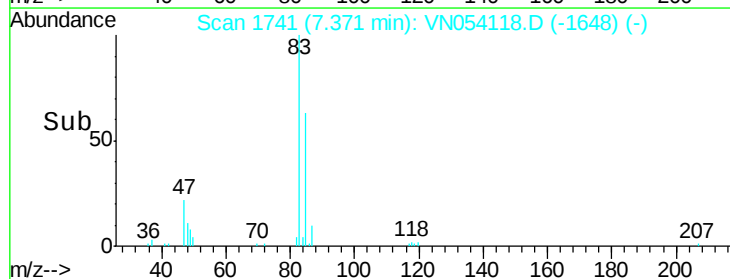
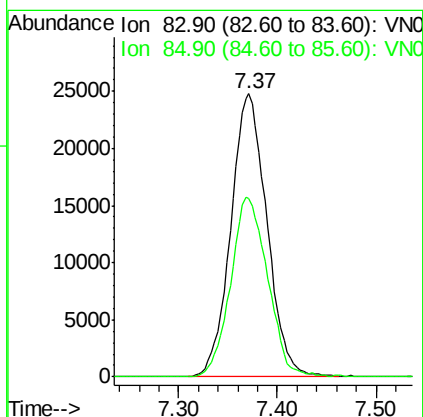
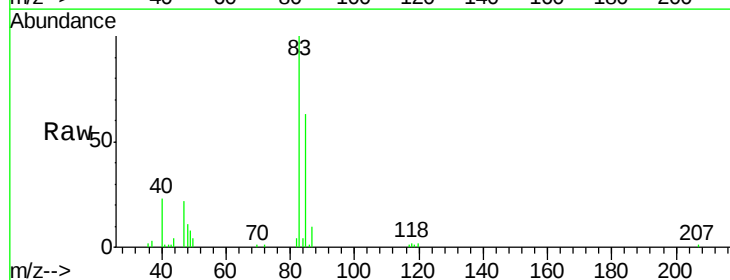
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

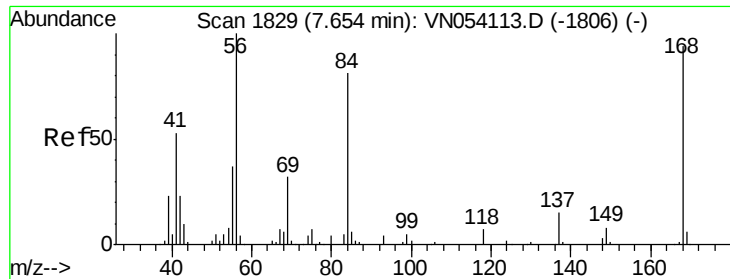
Tgt Ion: 42 Resp: 53351
Ion Ratio Lower Upper
42 100
72 40.4 32.8 49.2
71 36.4 30.5 45.7



#30
Chloroform
Concen: 5.488 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 83 Resp: 62930
Ion Ratio Lower Upper
83 100
85 63.0 53.1 79.7

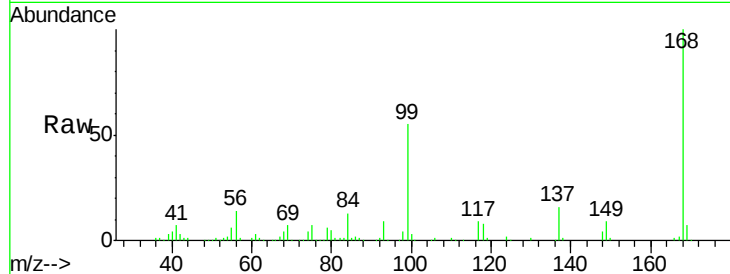




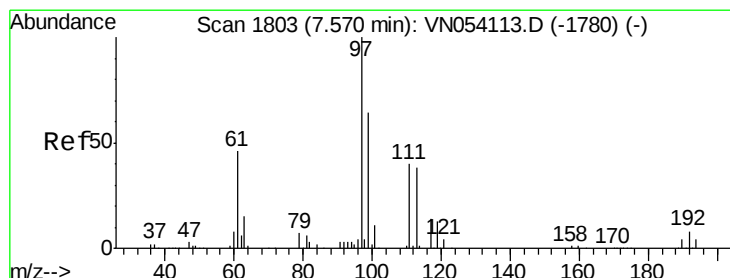
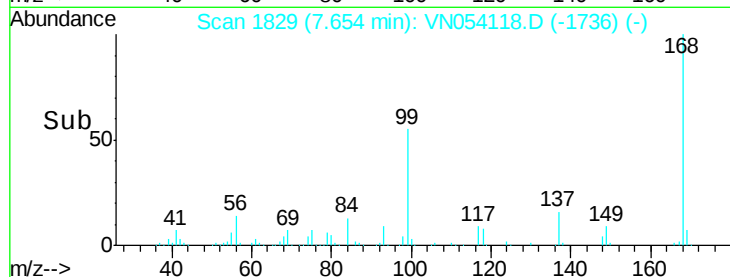
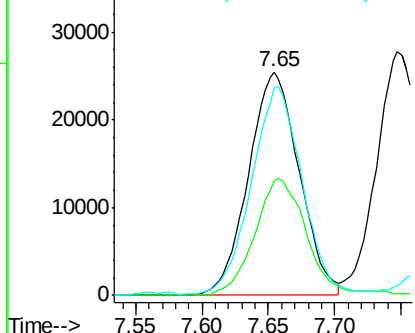
#31
Cyclohexane
Concen: 5.230 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 67956
Ion Ratio Lower Upper
56 100
69 51.0 25.5 38.3#
84 91.9 64.5 96.7

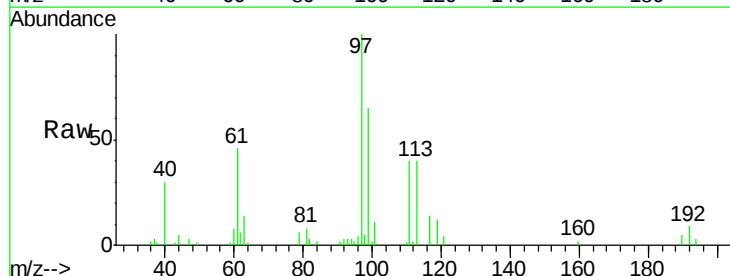


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

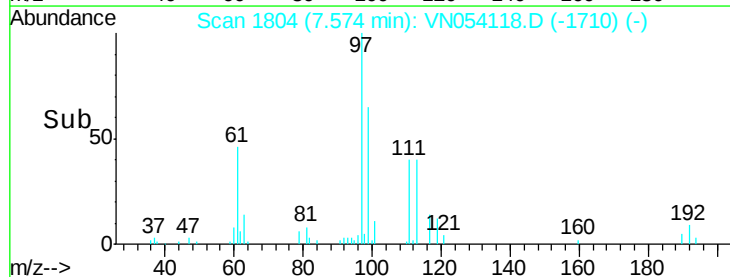
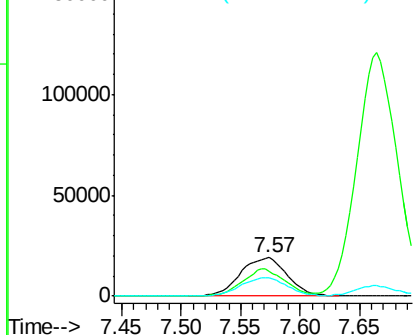


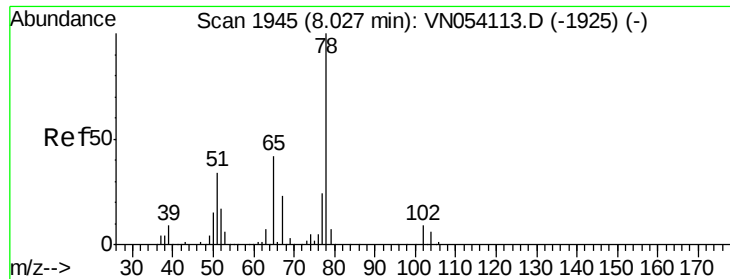
#32
1,1,1-Trichloroethane
Concen: 5.464 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 97 Resp: 51941
Ion Ratio Lower Upper
97 100
99 64.7 51.2 76.8
61 46.7 37.1 55.7



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

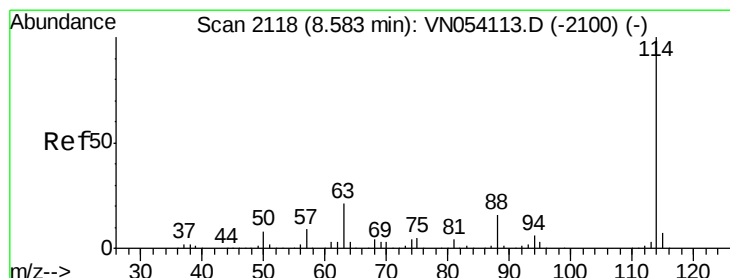
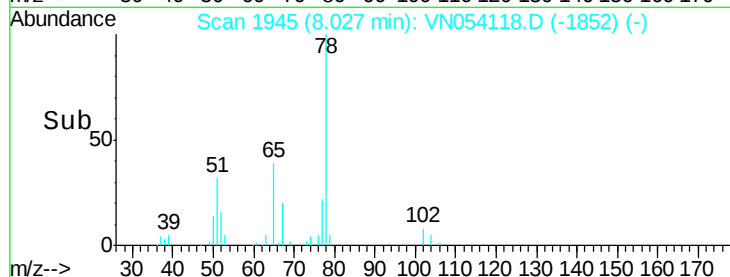
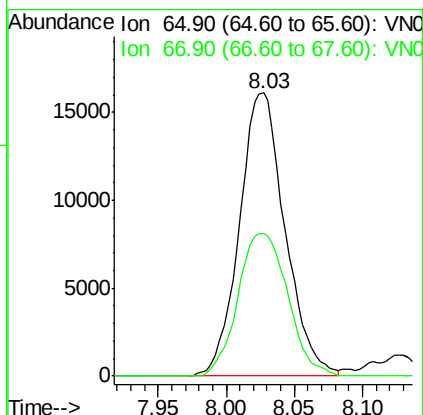
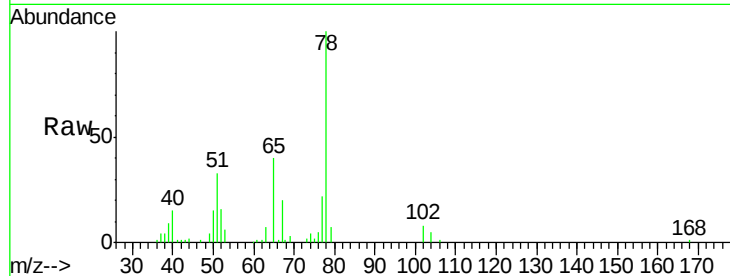




#33
 1,2-Dichloroethane-d4
 Concen: 5.284 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

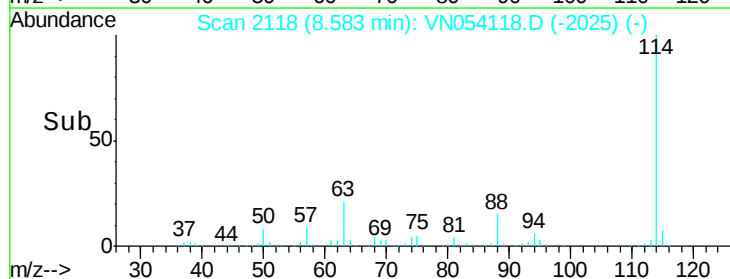
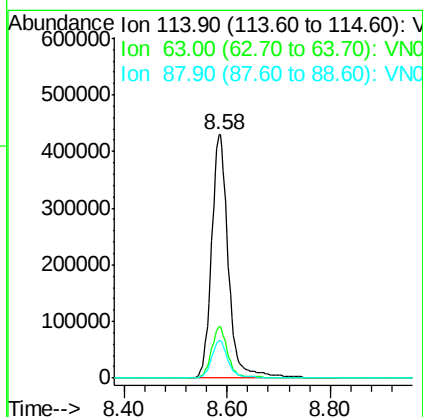
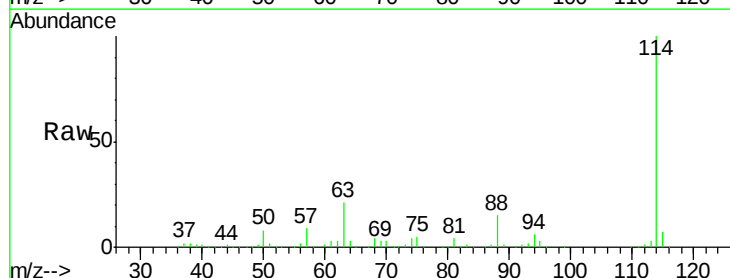
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

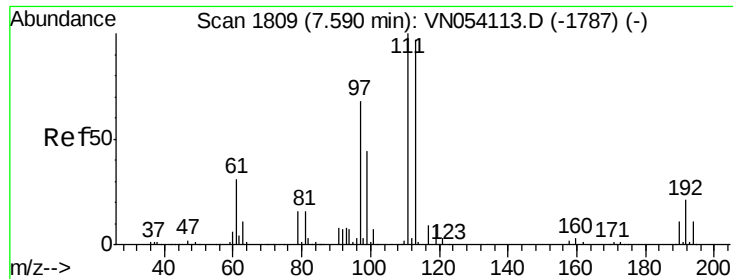
Tgt Ion: 65 Resp: 37445
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 114 Resp: 974687
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.6
 88 15.5 0.0 31.8

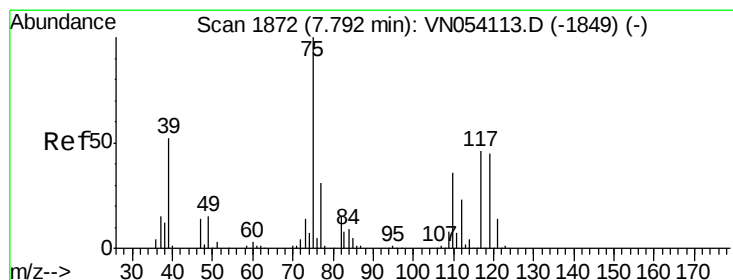
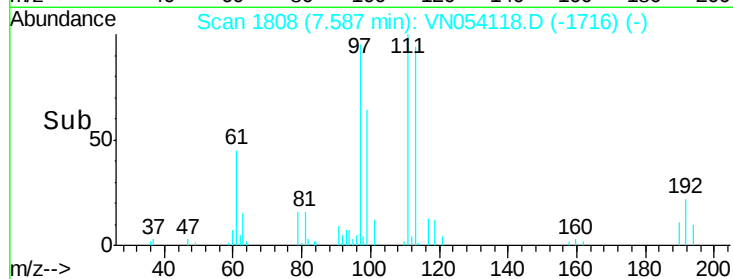
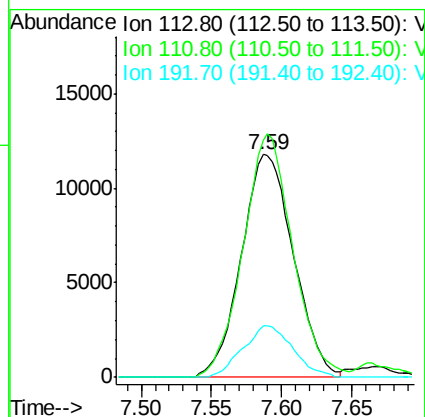
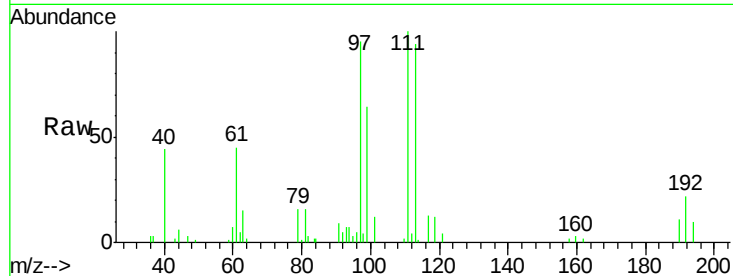




#35
Dibromofluoromethane
Concen: 4.808 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

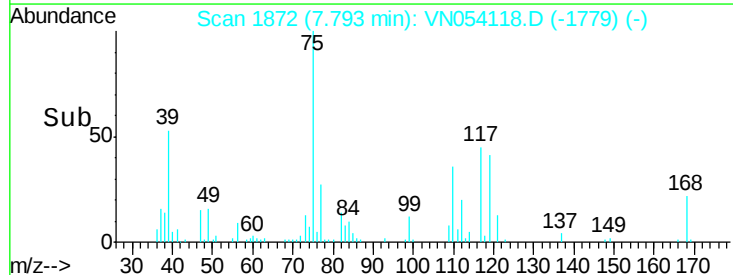
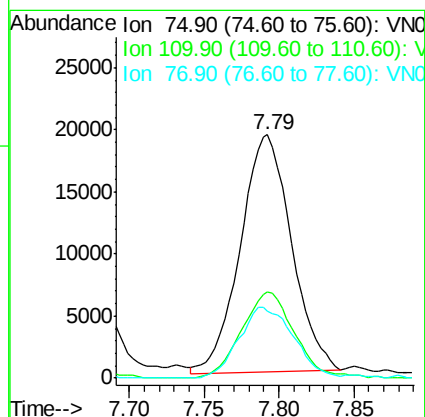
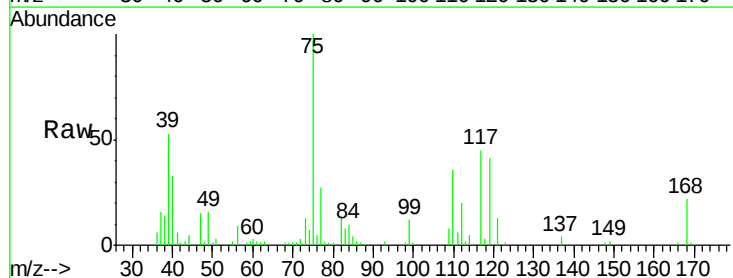
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

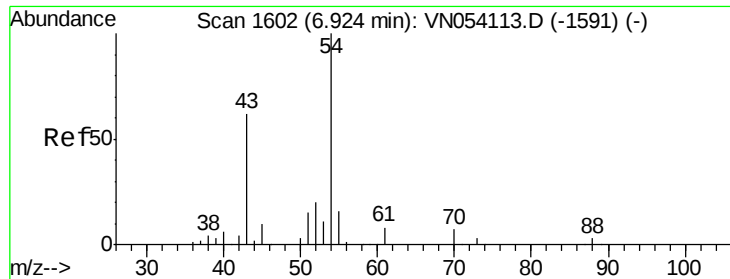
Tgt Ion: 113 Resp: 30436
Ion Ratio Lower Upper
113 100
111 104.0 82.1 123.1
192 22.2 17.4 26.0



#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 75 Resp: 45328
Ion Ratio Lower Upper
75 100
110 37.7 18.0 54.0
77 31.9 25.3 37.9

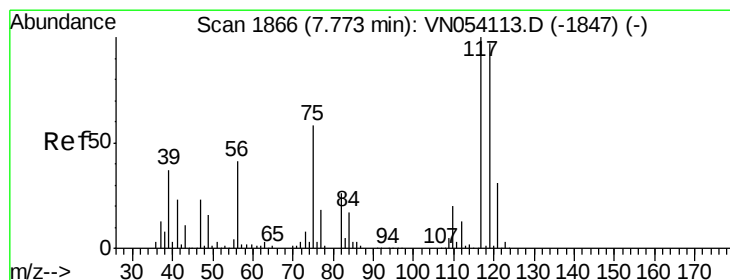
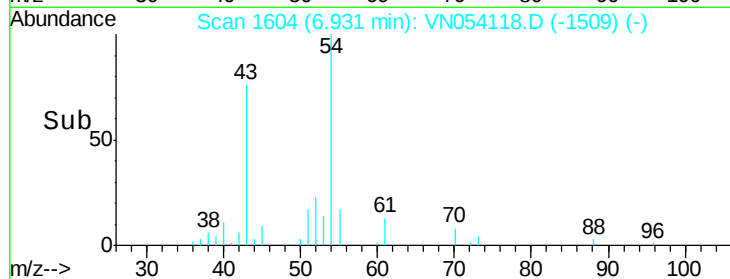
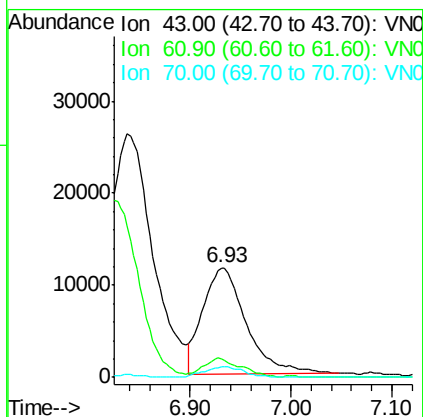
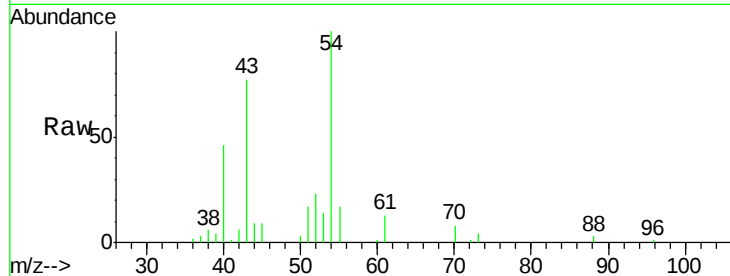




#37
Ethyl Acetate
Concen: 5.331 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

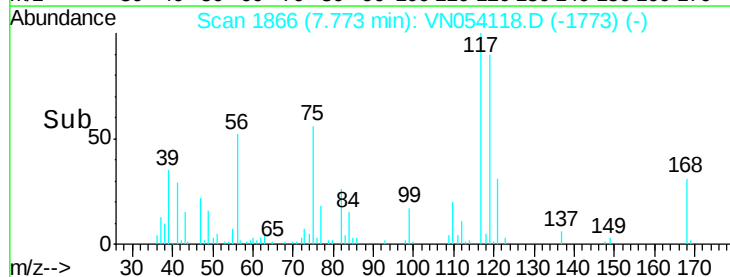
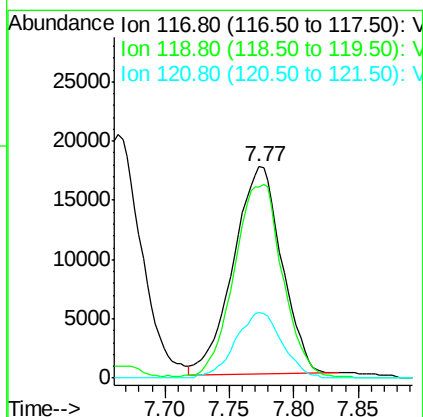
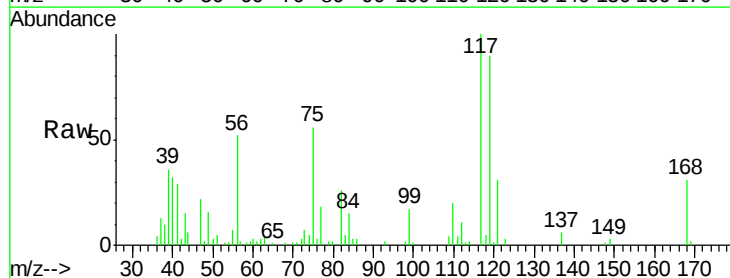
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

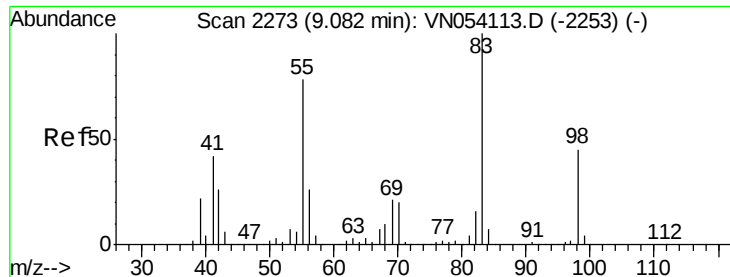
Tgt Ion: 43 Resp: 34964
Ion Ratio Lower Upper
43 100
61 15.5 11.1 16.7
70 9.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 5.233 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 117 Resp: 45700
Ion Ratio Lower Upper
117 100
119 92.0 77.0 115.6
121 32.2 24.3 36.5

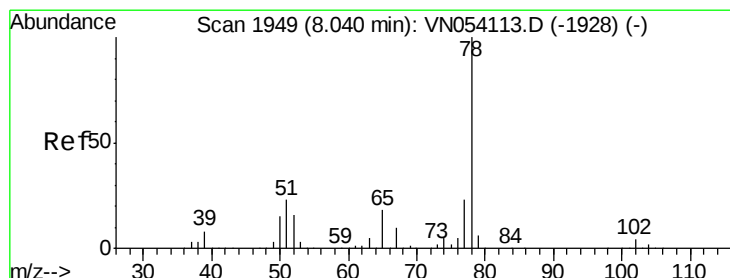
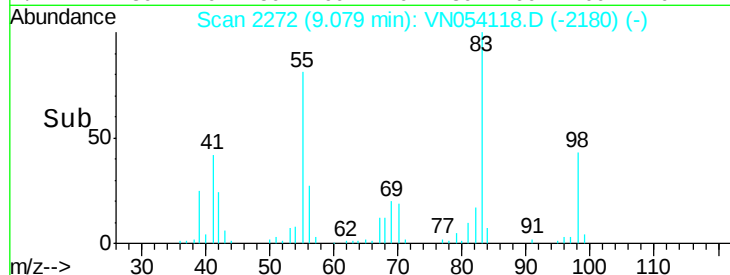
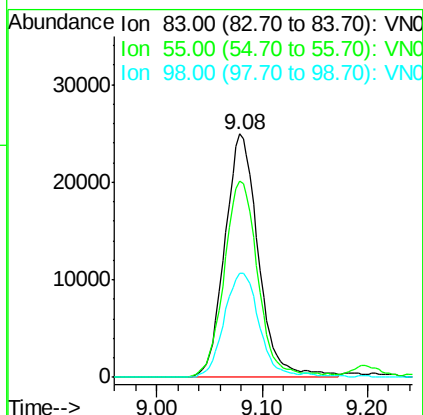
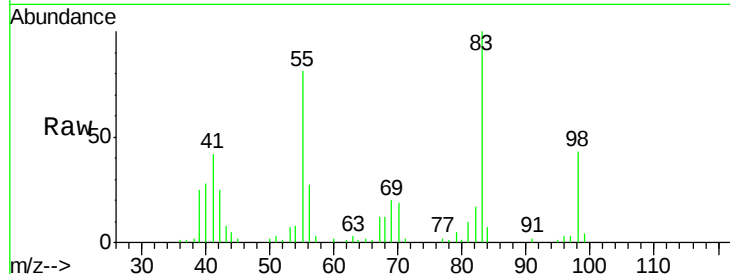




#39
Methylcyclohexane
Concen: 5.206 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

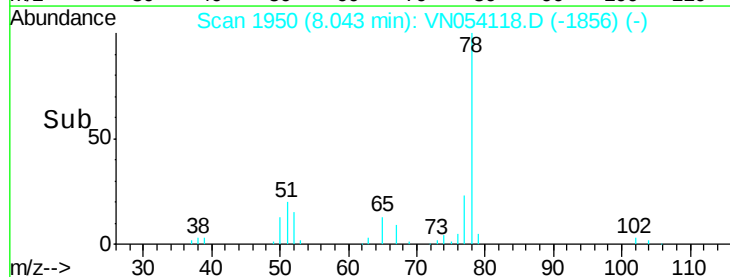
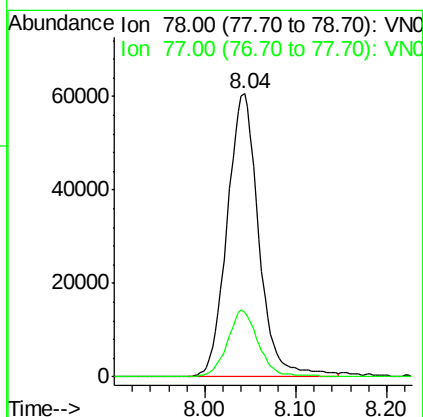
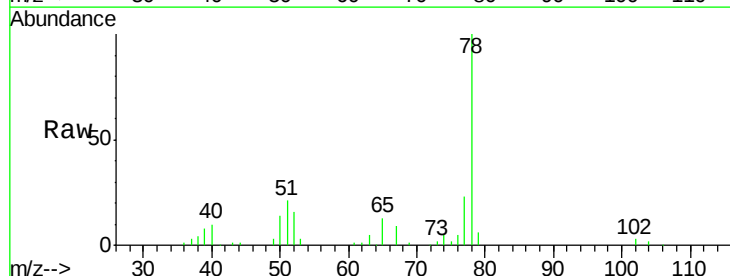
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

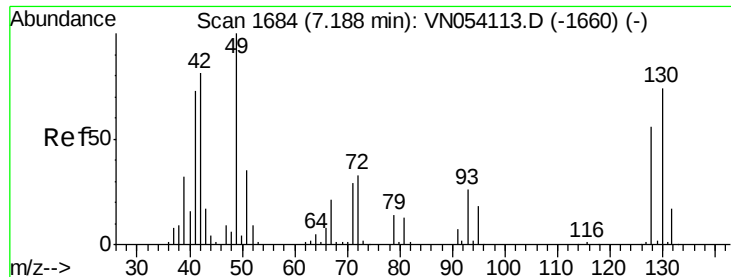
Tgt Ion: 83 Resp: 54965
Ion Ratio Lower Upper
83 100
55 80.6 62.1 93.1
98 42.5 36.0 54.0



#40
Benzene
Concen: 5.415 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 78 Resp: 146577
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1





#41

Methacrylonitrile

Concen: 3.639 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 14509

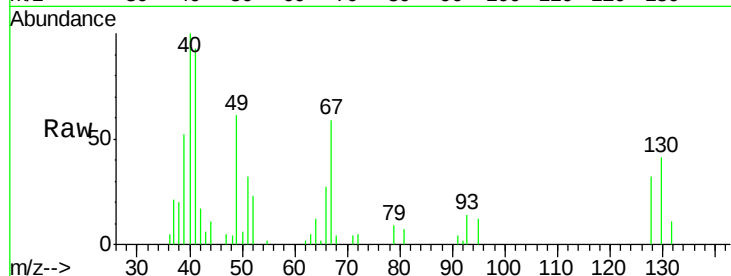
Ion Ratio Lower Upper

41 100

39 59.1 0.0 0.0#

67 97.0 0.0 0.0#

52 39.0 0.0 0.0#

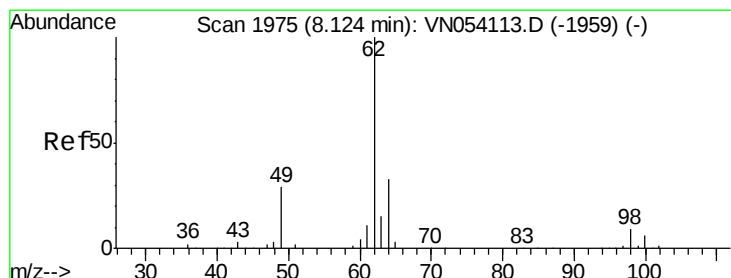
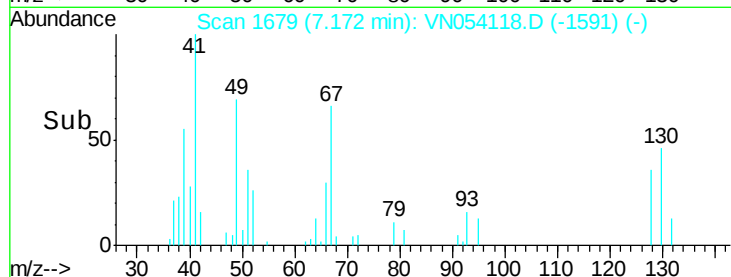
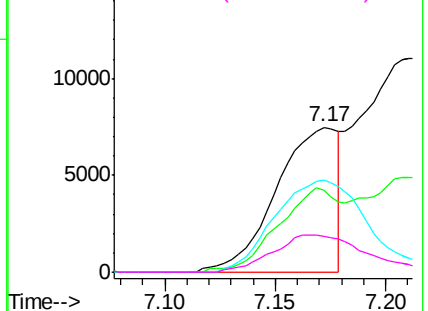


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 5.603 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054118.D

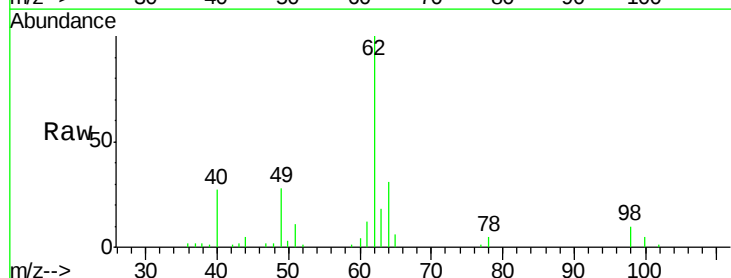
Acq: 6 Mar 2019 14:04

Tgt Ion: 62 Resp: 48035

Ion Ratio Lower Upper

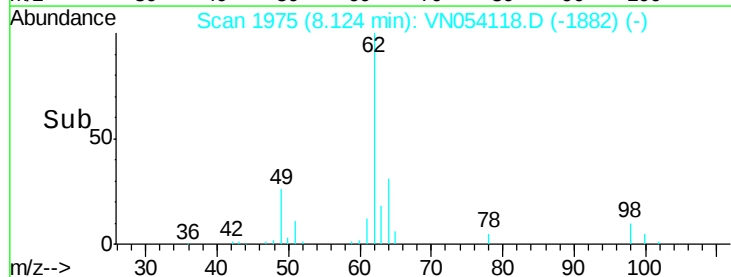
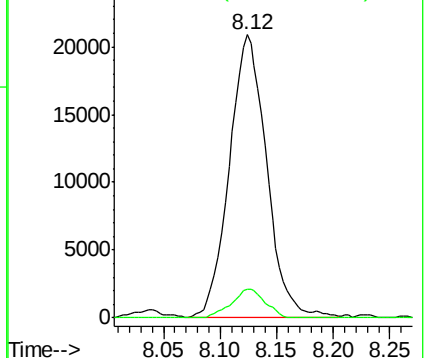
62 100

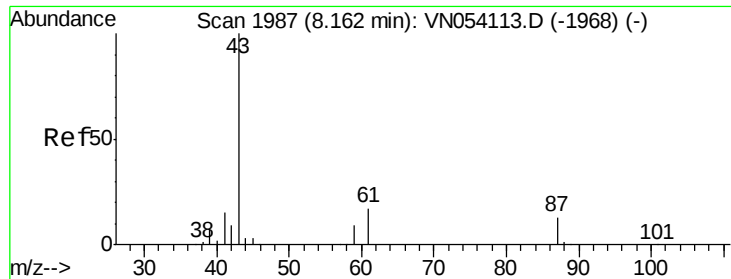
98 9.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

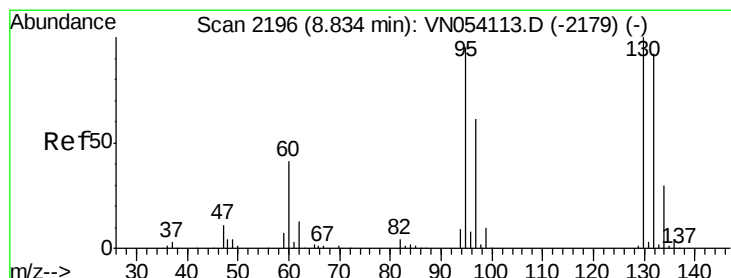
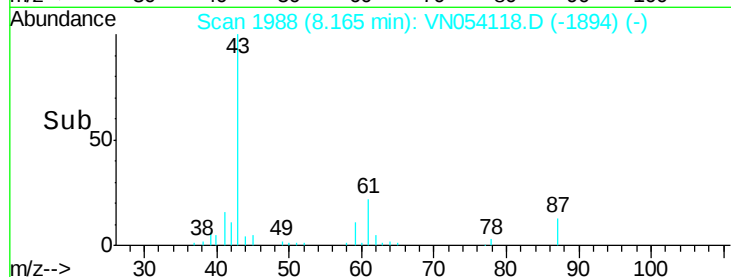
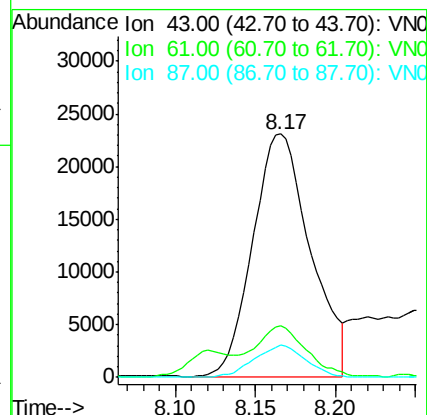
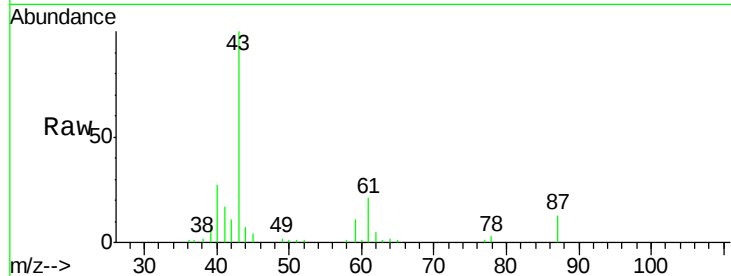




#43
Isopropyl Acetate
Concen: 5.659 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

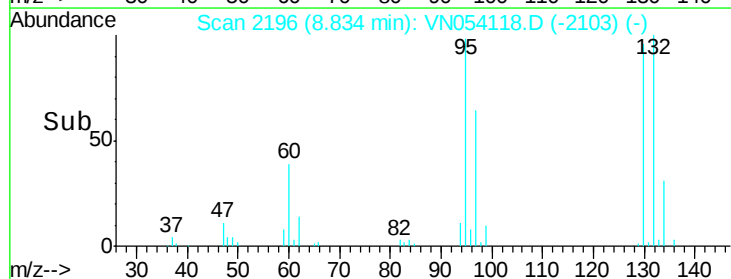
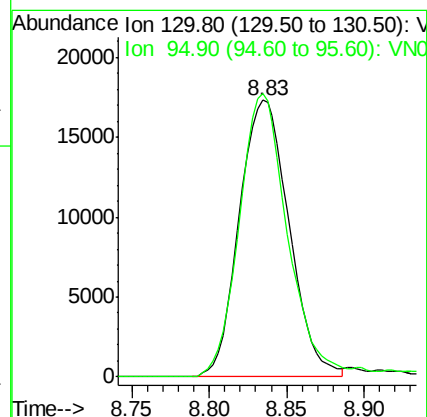
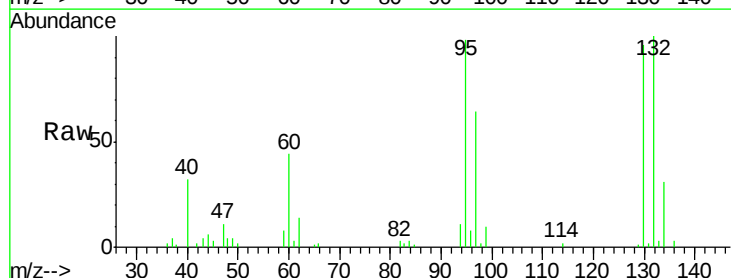
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

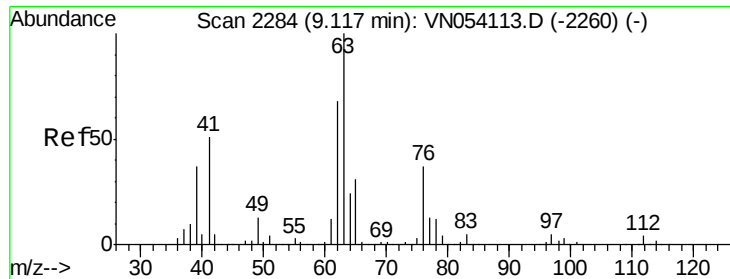
Tgt Ion: 43 Resp: 57693
Ion Ratio Lower Upper
43 100
61 16.8 22.5 33.7#
87 11.7 10.1 15.1



#44
Trichloroethene
Concen: 5.340 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 130 Resp: 38756
Ion Ratio Lower Upper
130 100
95 102.3 0.0 189.4

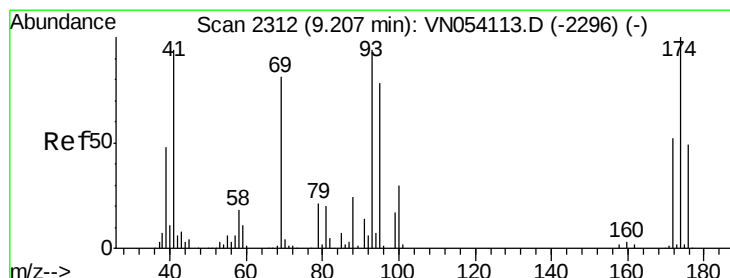
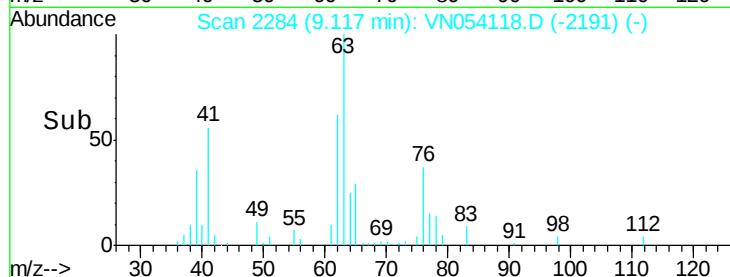
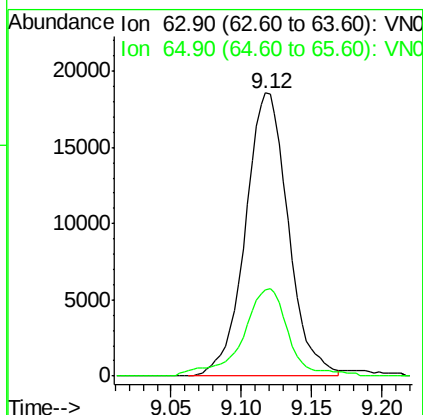
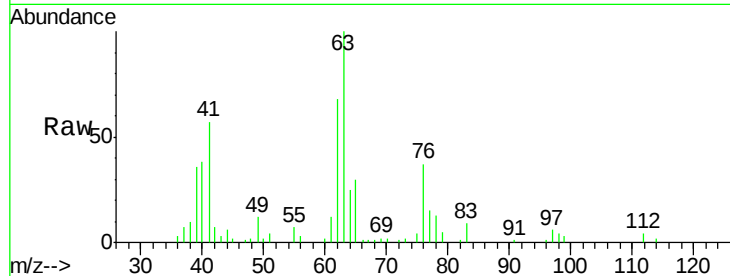




#45
 1,2-Dichloropropane
 Concen: 5.291 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

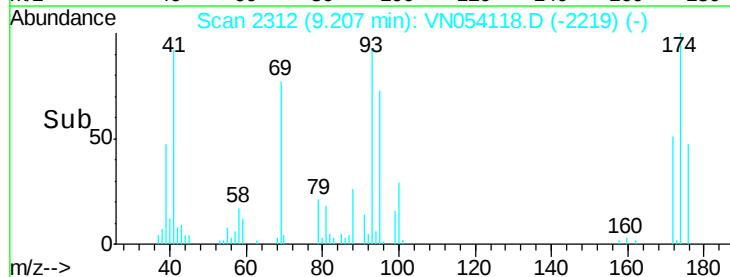
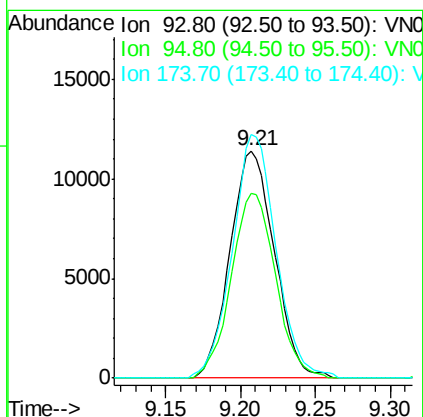
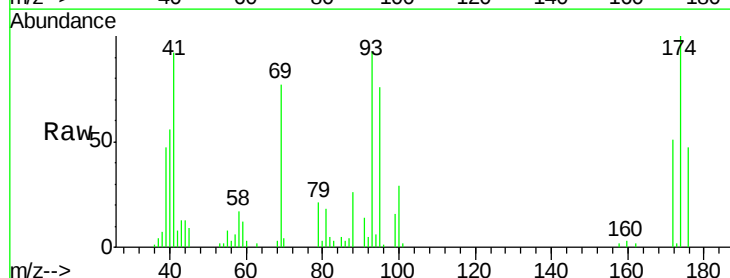
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

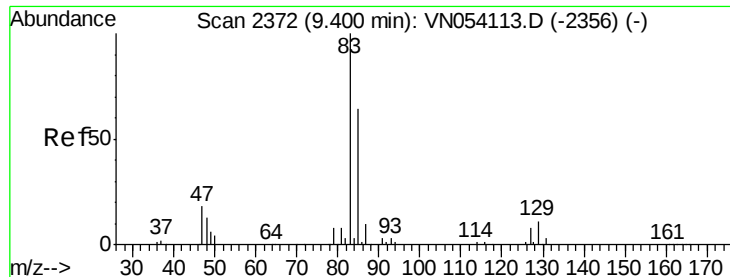
Tgt Ion: 63 Resp: 39501
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.6 36.8



#46
 Dibromomethane
 Concen: 5.528 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 93 Resp: 23559
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.1 99.1
 174 105.8 86.1 129.1





#47

Bromodichloromethane

Concen: 5.290 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

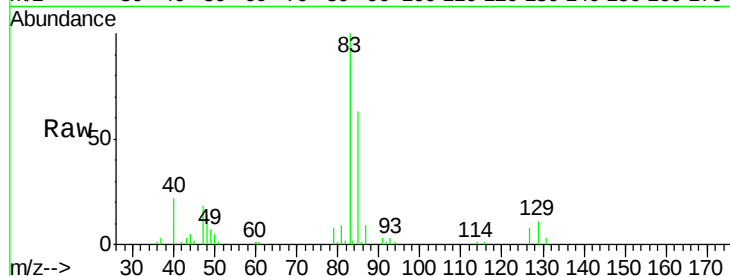
Tgt Ion: 83 Resp: 47195

Ion Ratio Lower Upper

83 100

85 63.3 51.0 76.4

127 8.1 6.5 9.7

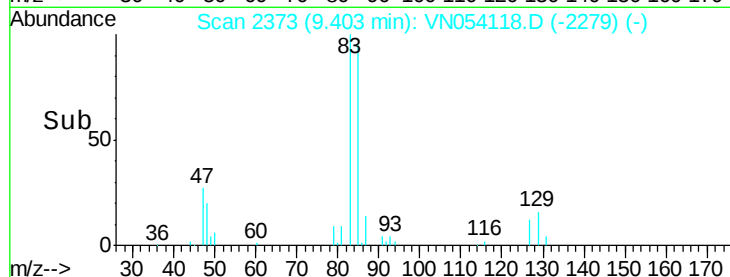


Abundance Ion 82.90 (82.60 to 83.60): VN054118.D (-2372) (-)

Ion 84.90 (84.60 to 85.60): VN054118.D (-2372) (-)

Ion 126.80 (126.50 to 127.50): VN054118.D (-2372) (-)

Time-->

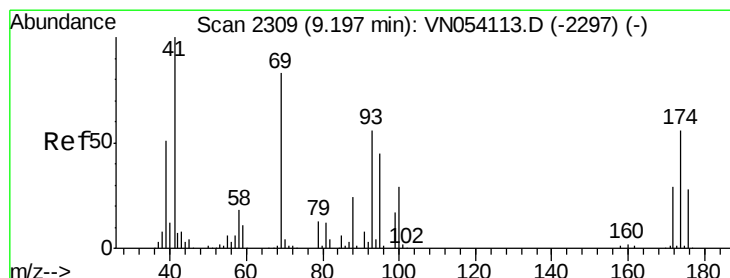


Abundance Ion 82.90 (82.60 to 83.60): VN054118.D (-2372) (-)

Ion 84.90 (84.60 to 85.60): VN054118.D (-2372) (-)

Ion 126.80 (126.50 to 127.50): VN054118.D (-2372) (-)

Time-->



#48

Methyl methacrylate

Concen: 4.911 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

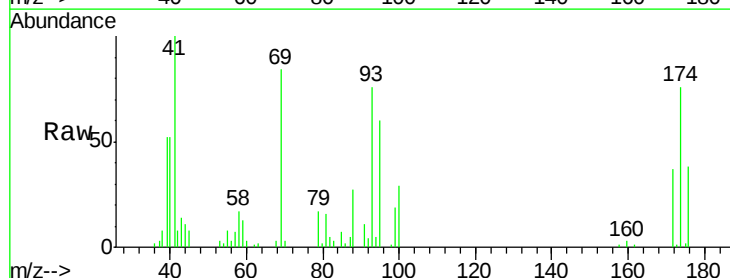
Tgt Ion: 41 Resp: 24724

Ion Ratio Lower Upper

41 100

69 91.2 71.0 106.4

39 52.1 43.7 65.5

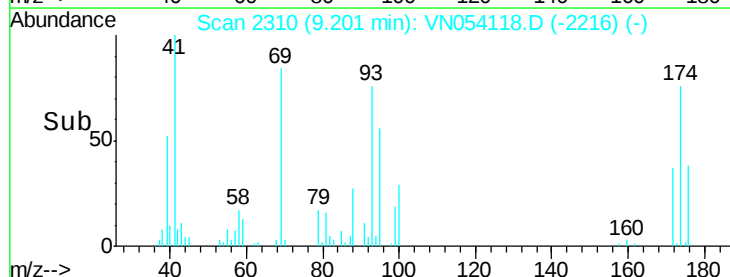


Abundance Ion 41.00 (40.70 to 41.70): VN054118.D (-2309) (-)

Ion 69.00 (68.70 to 69.70): VN054118.D (-2309) (-)

Ion 39.00 (38.70 to 39.70): VN054118.D (-2309) (-)

Time-->

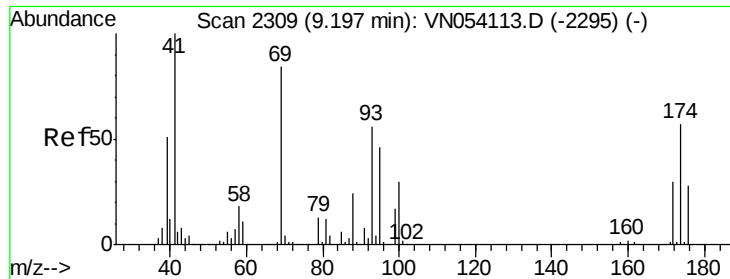


Abundance Ion 41.00 (40.70 to 41.70): VN054118.D (-2309) (-)

Ion 69.00 (68.70 to 69.70): VN054118.D (-2309) (-)

Ion 39.00 (38.70 to 39.70): VN054118.D (-2309) (-)

Time-->



#49

1,4-Dioxane

Concen: 121.826 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

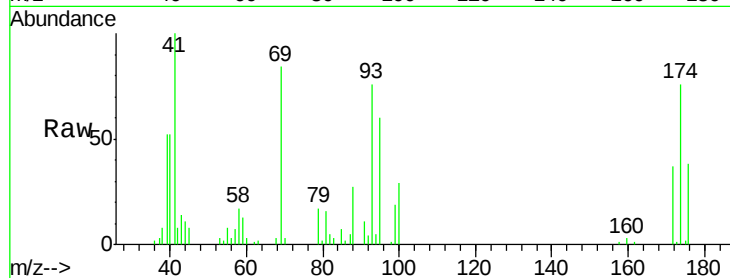
Tgt Ion: 88 Resp: 8104

Ion Ratio Lower Upper

88 100

43 35.5 25.5 38.3

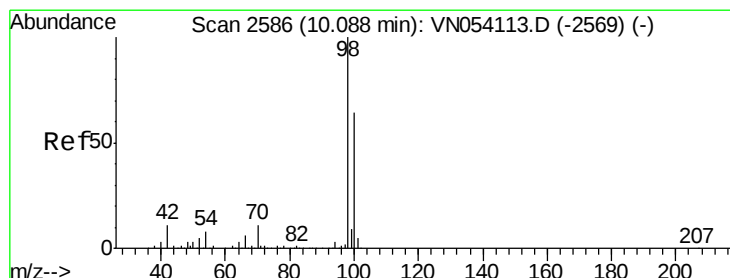
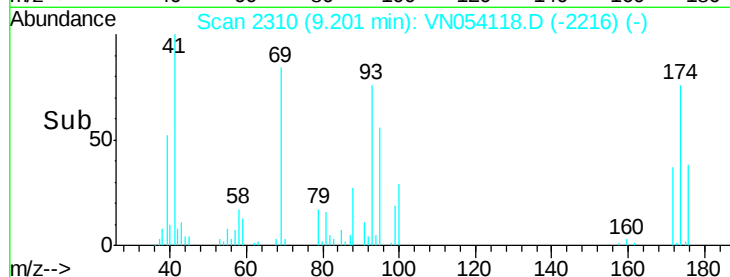
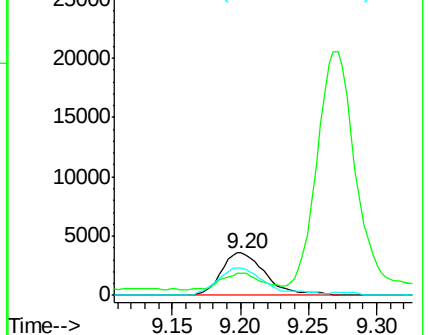
58 69.6 58.3 87.5



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 4.705 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054118.D

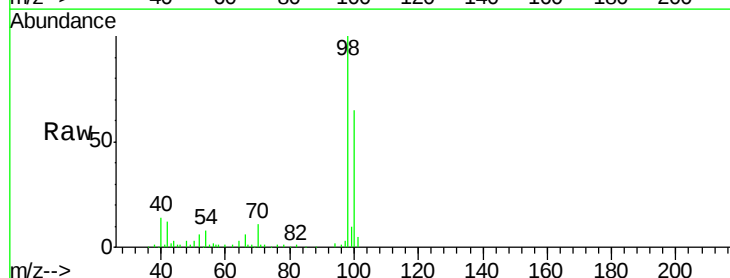
Acq: 6 Mar 2019 14:04

Tgt Ion: 98 Resp: 113097

Ion Ratio Lower Upper

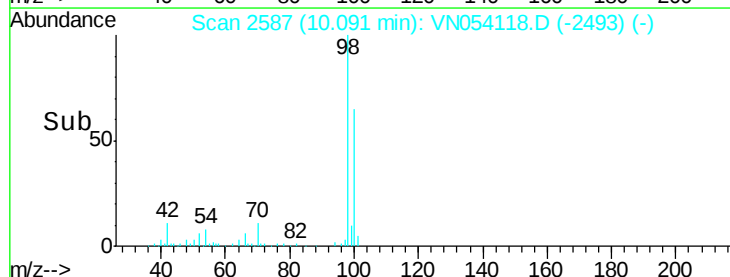
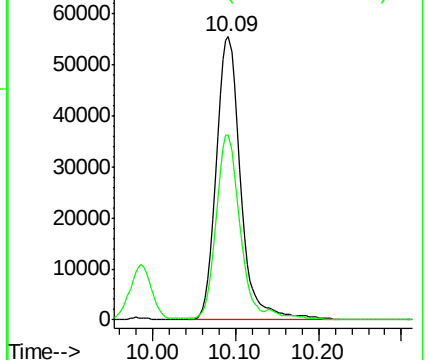
98 100

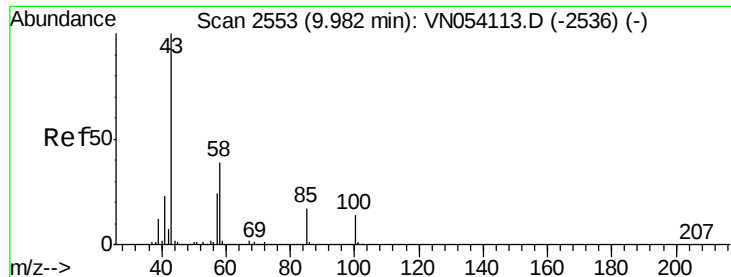
100 61.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

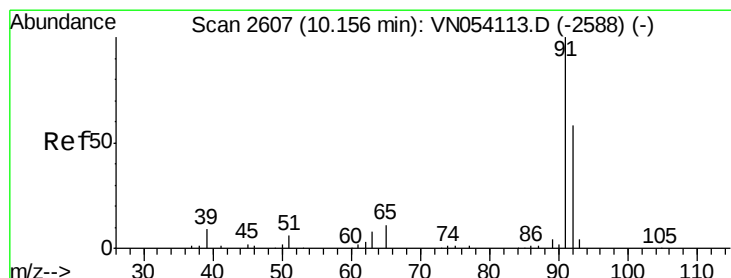
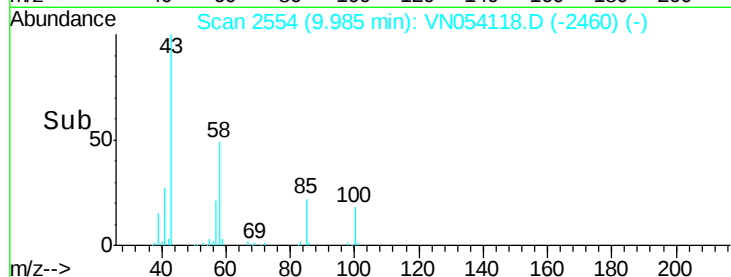
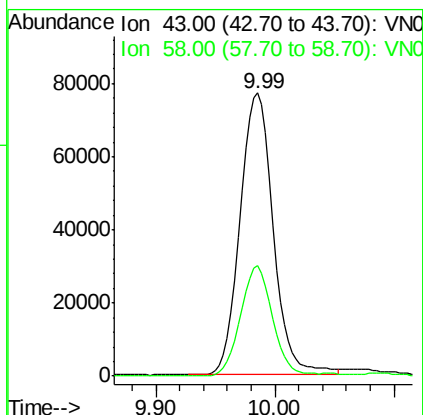
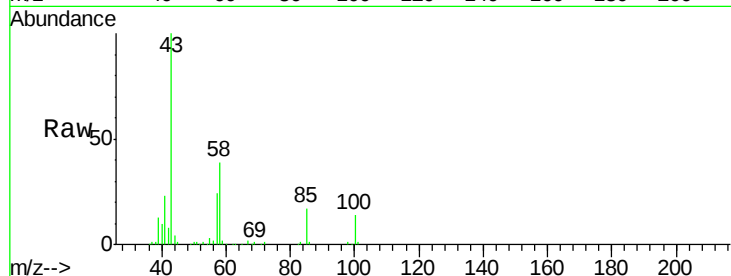




#51
 4-Methyl-2-Pentanone
 Concen: 25.591 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

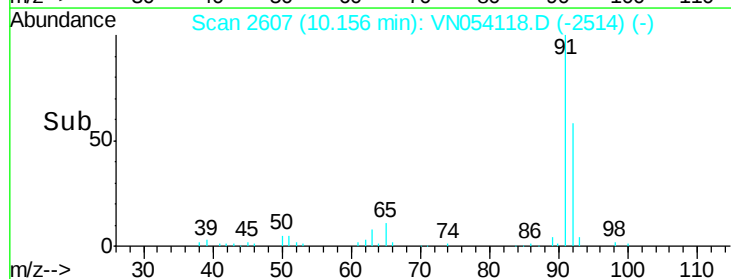
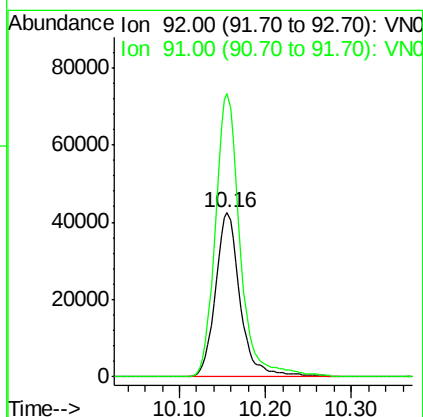
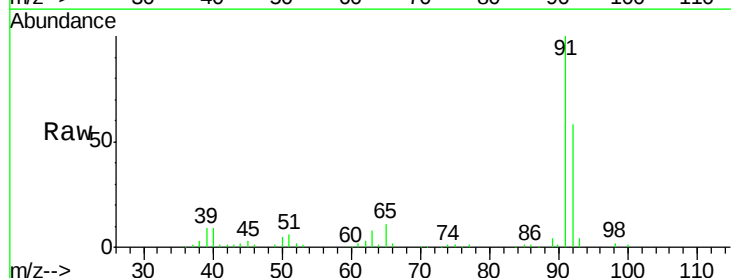
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

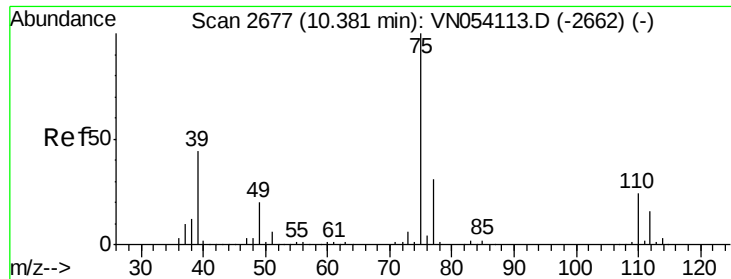
Tgt Ion: 43 Resp: 149465
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.8 46.2



#52
 Toluene
 Concen: 5.285 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 92 Resp: 84745
 Ion Ratio Lower Upper
 92 100
 91 173.0 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 4.819 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

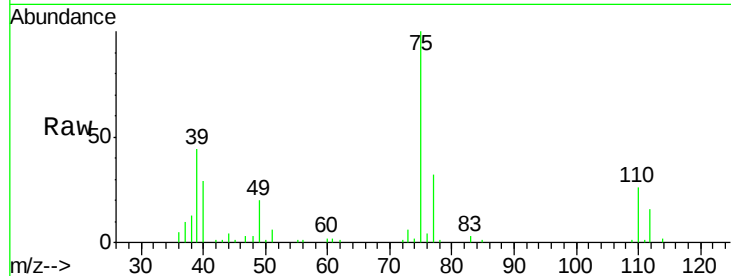
VSTDIC005

Tgt Ion: 75 Resp: 42406

Ion Ratio Lower Upper

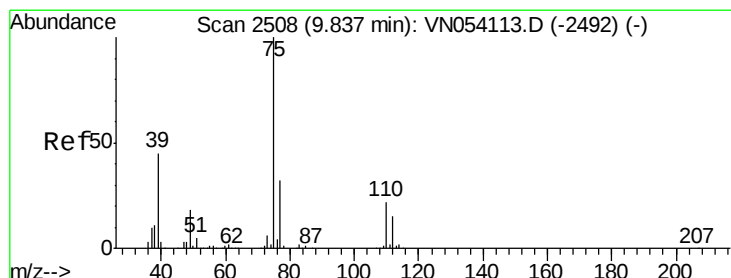
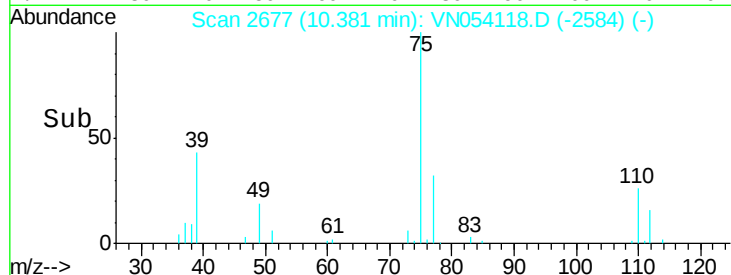
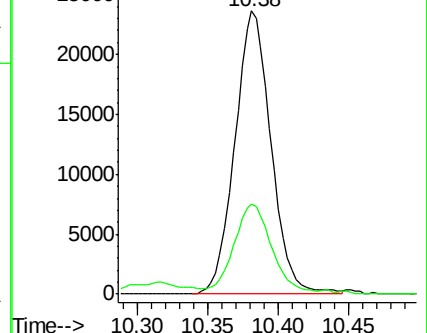
75 100

77 31.1 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.054 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

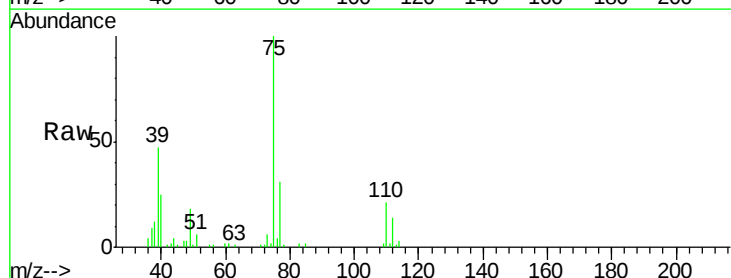
Tgt Ion: 75 Resp: 52564

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

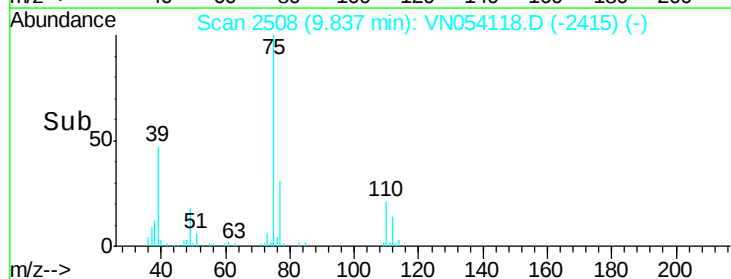
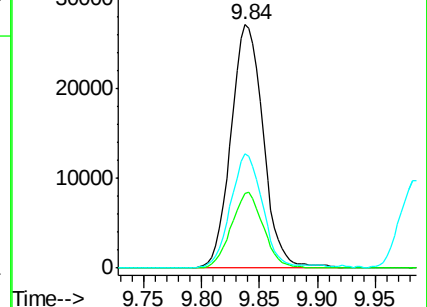
39 47.1 36.2 54.2

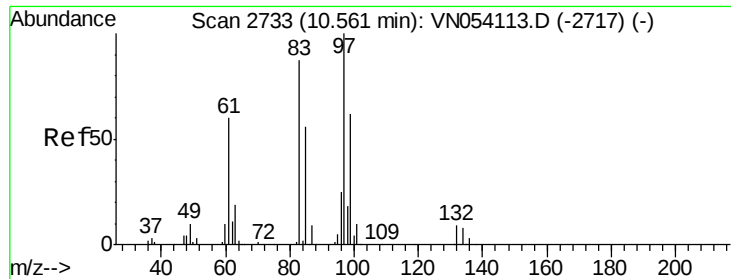


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 5.446 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion: 97 Resp: 32886

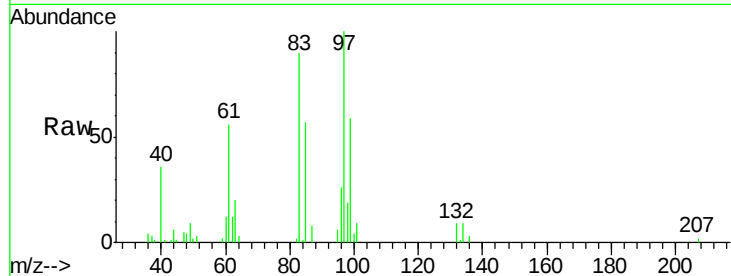
Ion Ratio Lower Upper

97 100

83 89.5 69.8 104.6

85 56.7 45.0 67.4

99 59.2 49.8 74.6

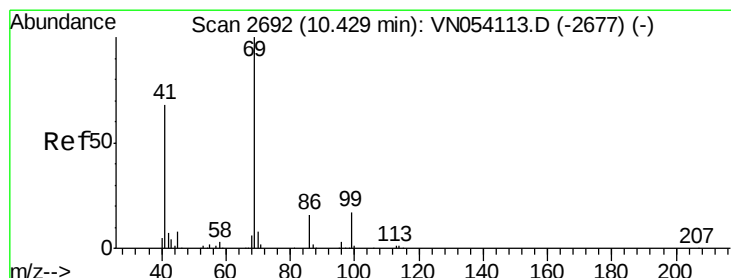
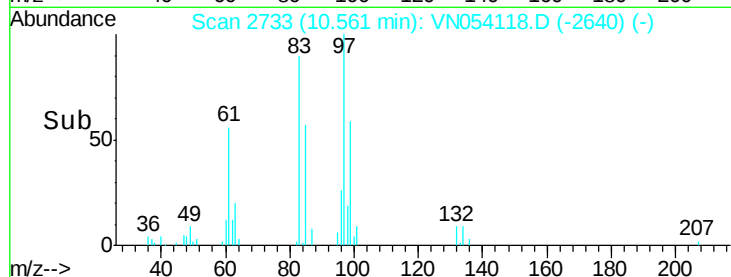
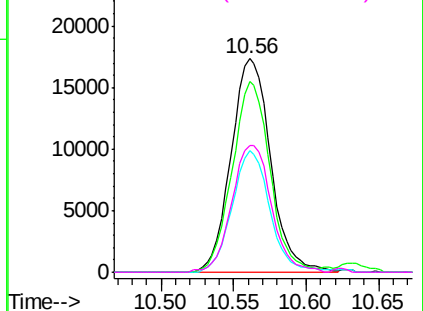


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 4.654 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

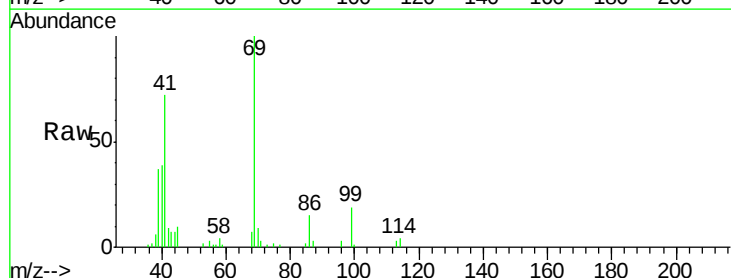
Tgt Ion: 69 Resp: 32993

Ion Ratio Lower Upper

69 100

41 73.5 53.4 80.2

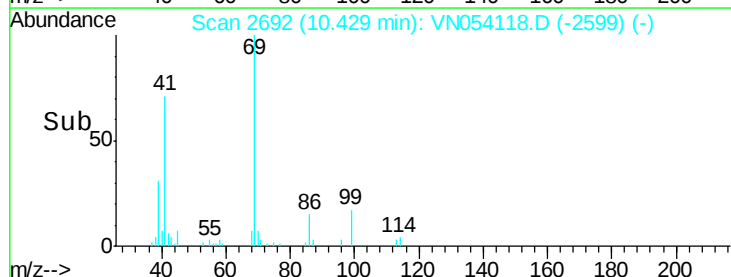
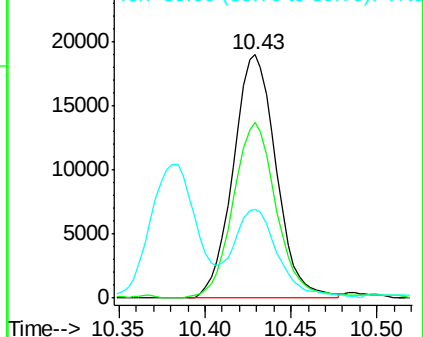
39 38.6 25.6 38.4#

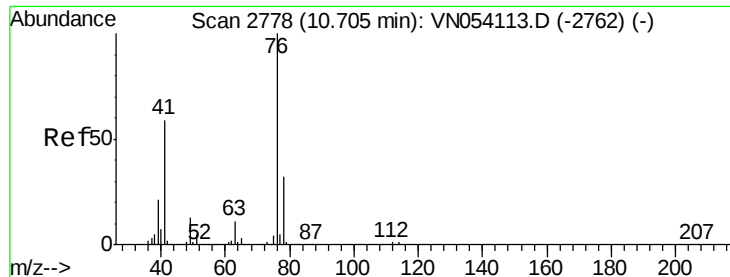


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 5.252 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

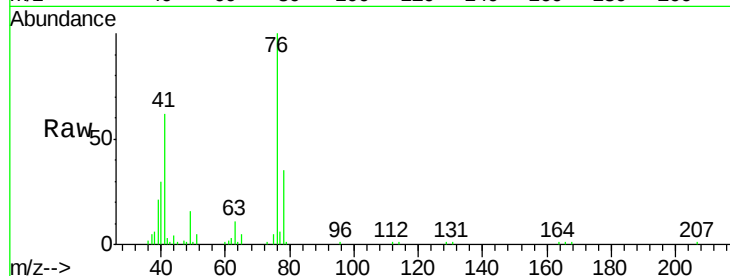
VSTDIC005

Tgt Ion: 76 Resp: 54106

Ion Ratio Lower Upper

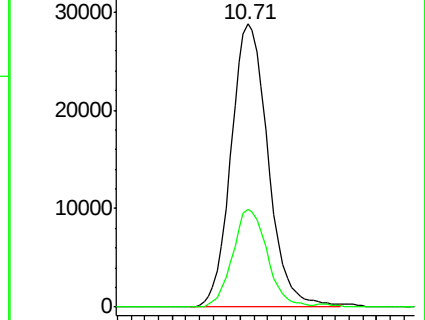
76 100

78 32.3 25.9 38.9

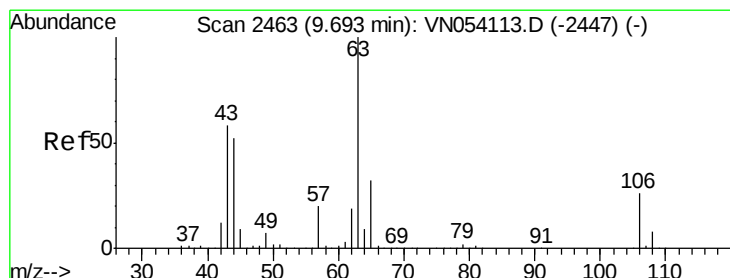
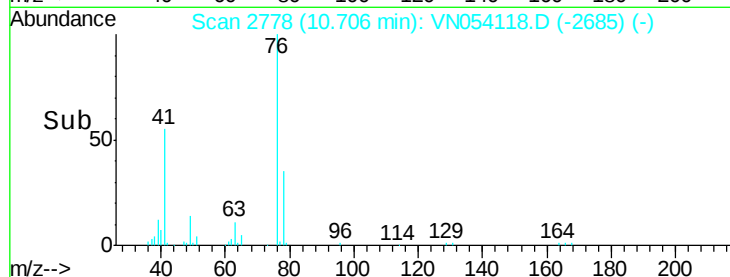


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 23.327 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN054118.D

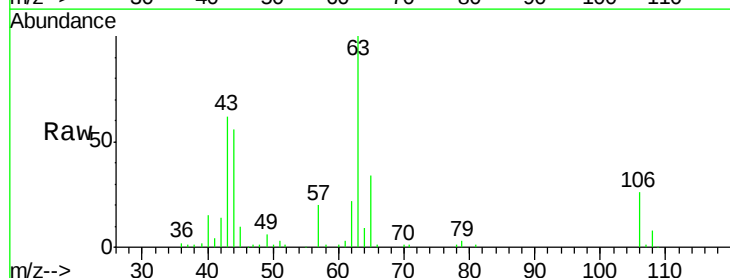
Acq: 6 Mar 2019 14:04

Tgt Ion: 63 Resp: 75686

Ion Ratio Lower Upper

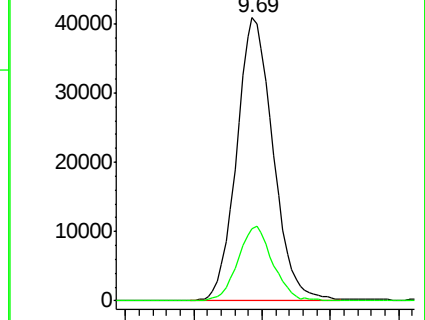
63 100

106 25.1 20.2 30.2

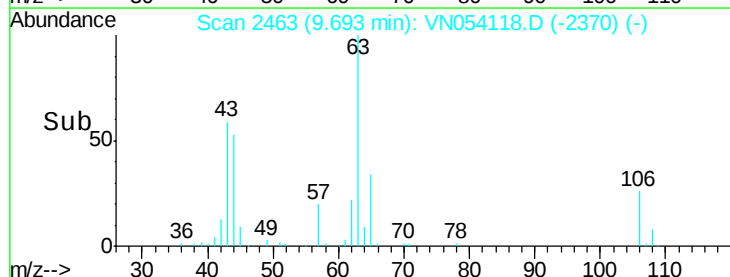


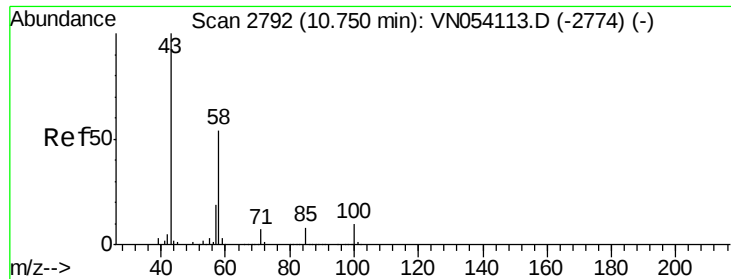
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->

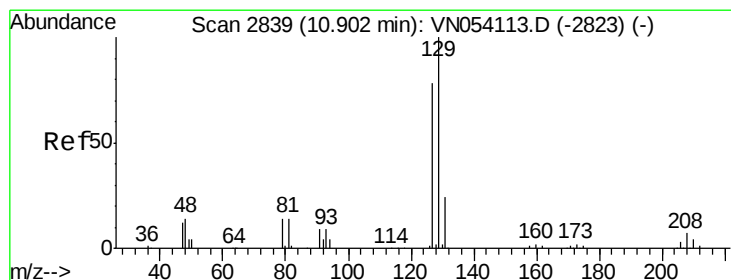
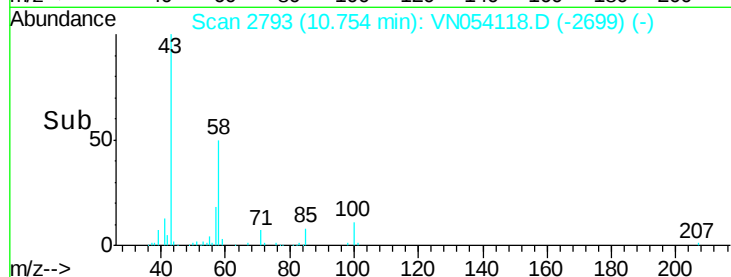
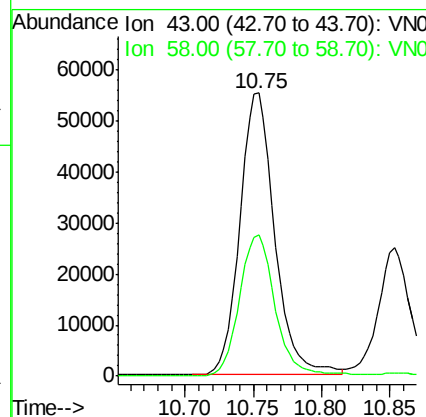
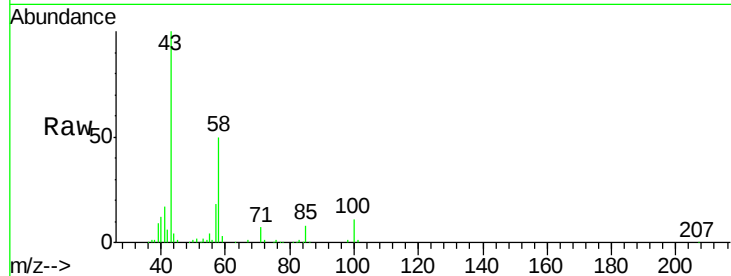




#59
2-Hexanone
Concen: 25.427 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

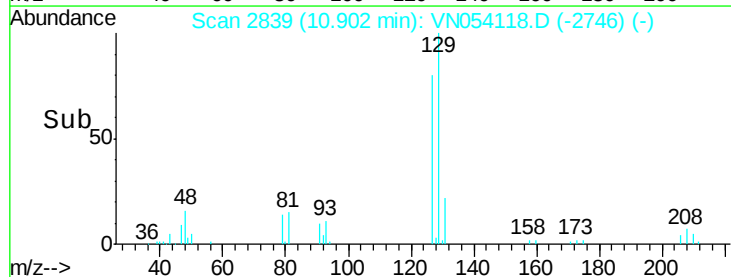
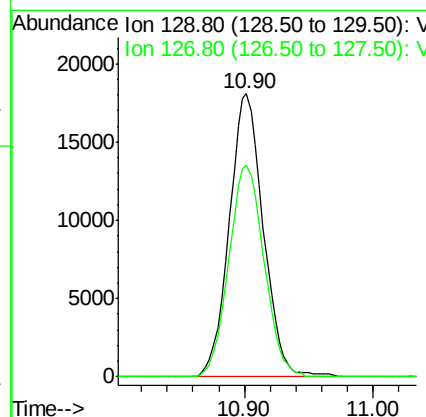
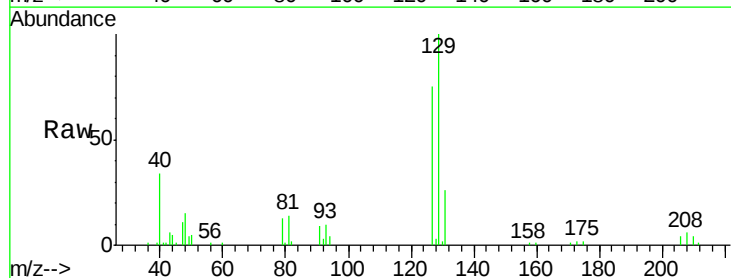
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

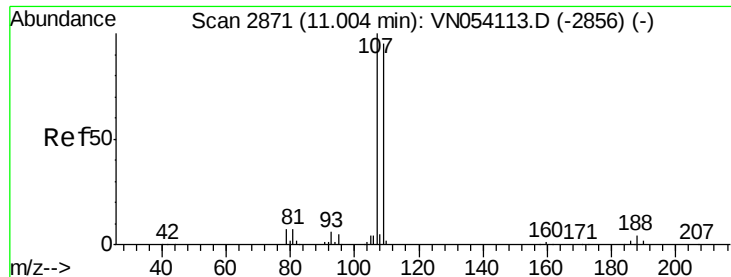
Tgt Ion: 43 Resp: 97972
Ion Ratio Lower Upper
43 100
58 51.7 27.0 81.0



#60
Dibromochloromethane
Concen: 5.124 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 129 Resp: 33081
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.4

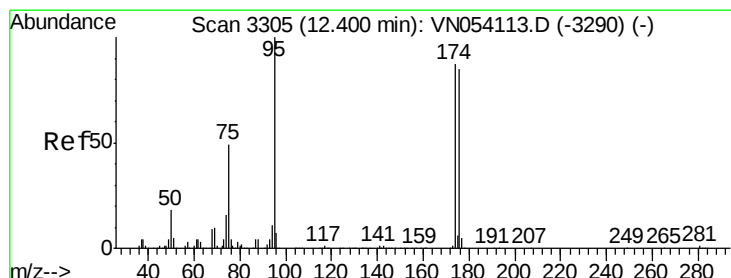
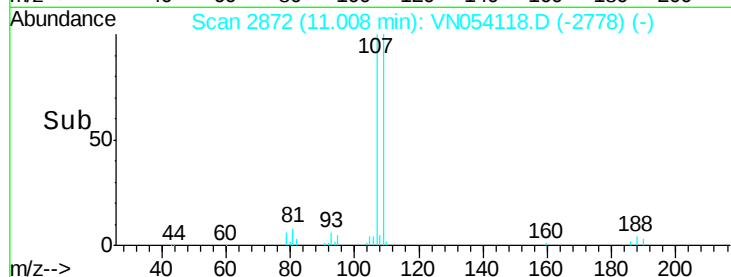
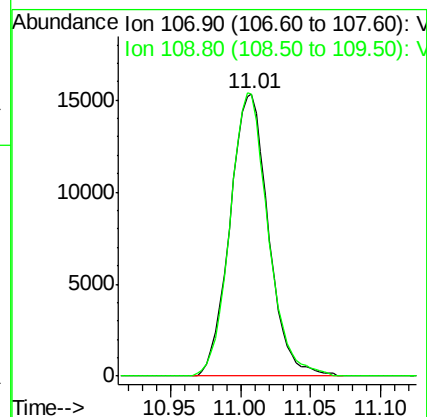
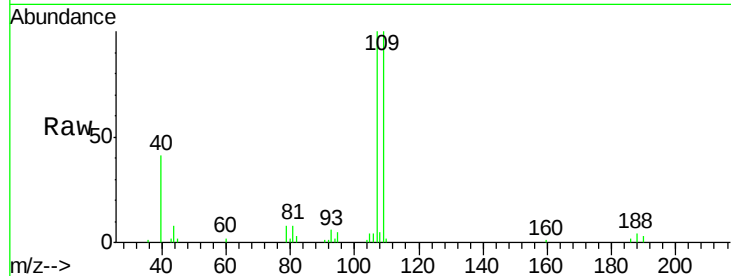




#61
 1,2-Dibromoethane
 Concen: 5.085 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

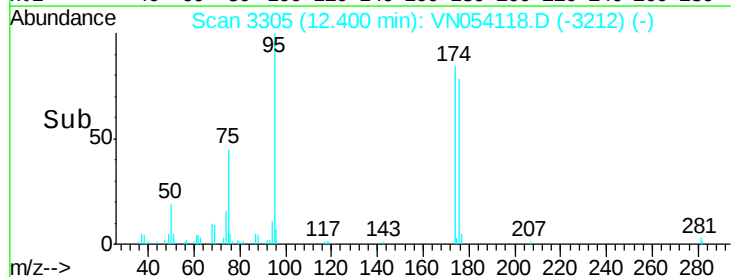
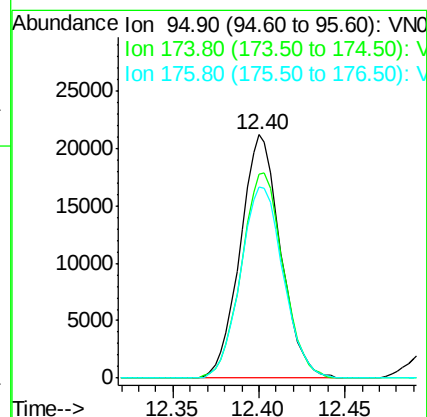
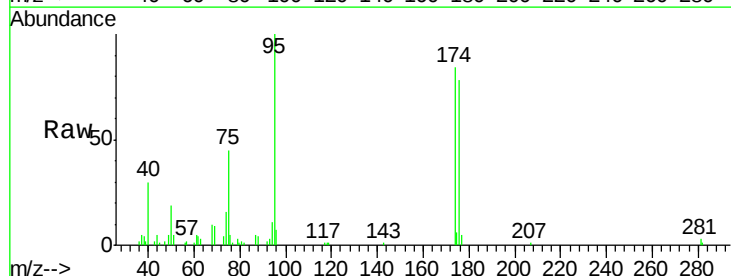
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

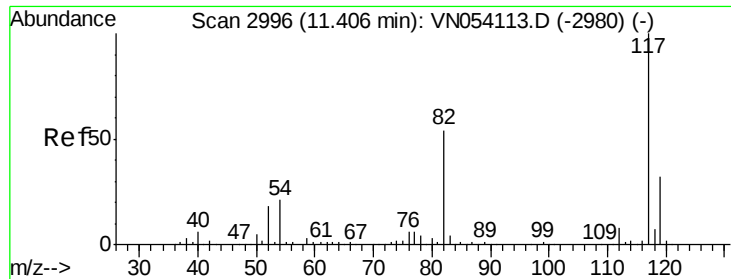
Tgt Ion: 107 Resp: 29215
 Ion Ratio Lower Upper
 107 100
 109 99.3 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 4.397 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion: 95 Resp: 34416
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 173.2
 176 83.3 0.0 168.8

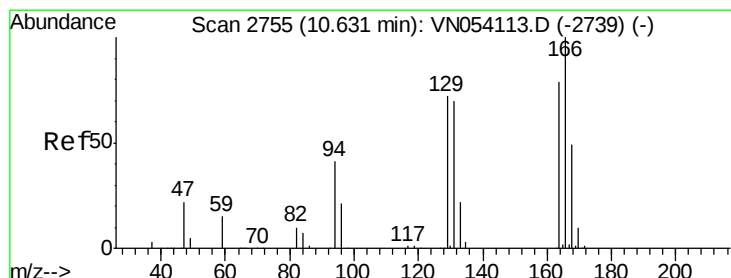
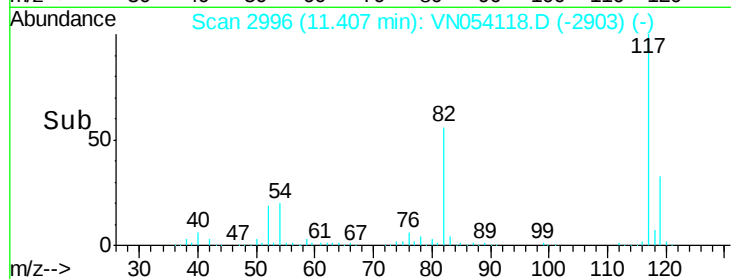
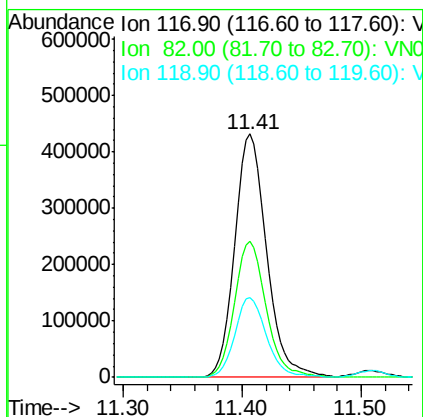
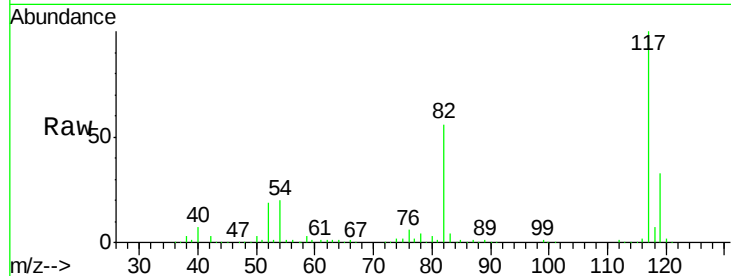




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

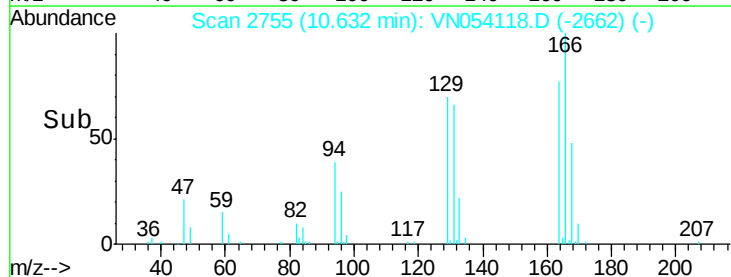
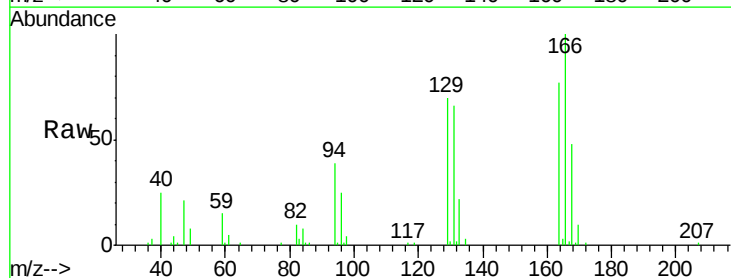
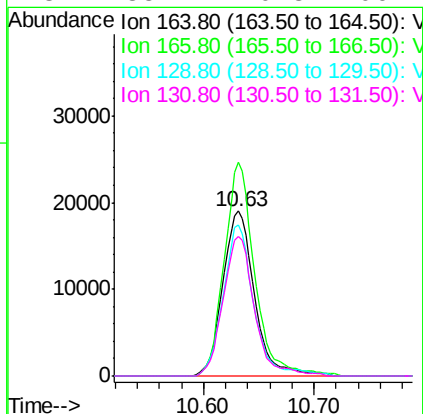
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

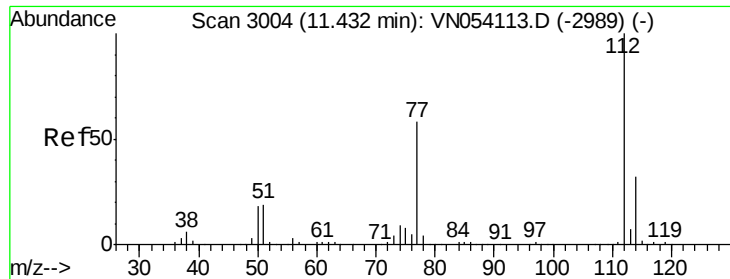
Tgt Ion:117 Resp: 804245
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.2
119 32.9 26.0 39.0



#64
Tetrachloroethene
Concen: 5.740 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion:164 Resp: 37887
Ion Ratio Lower Upper
164 100
166 129.8 101.3 151.9
129 91.5 73.2 109.8
131 85.1 70.8 106.2

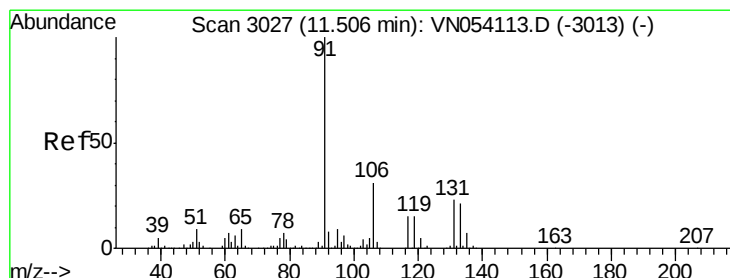
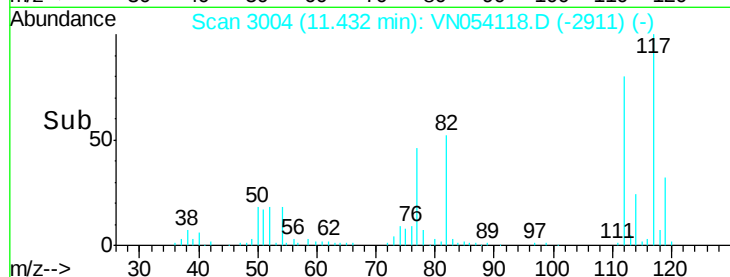
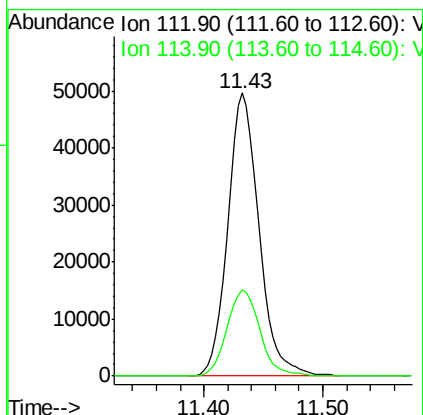
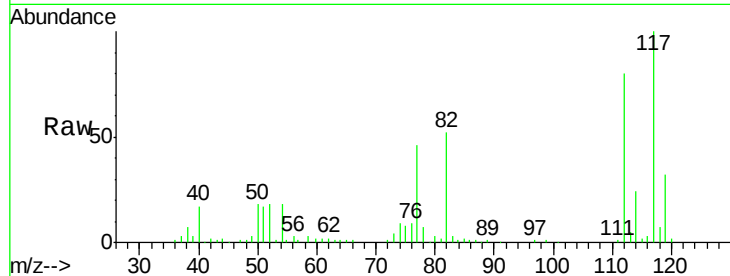




#65
Chlorobenzene
Concen: 5.384 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

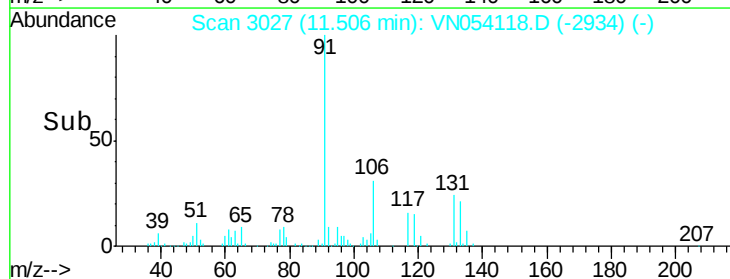
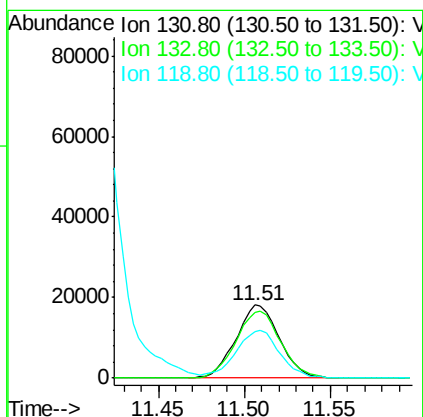
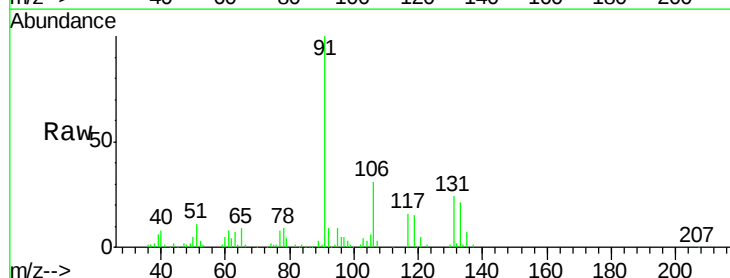
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

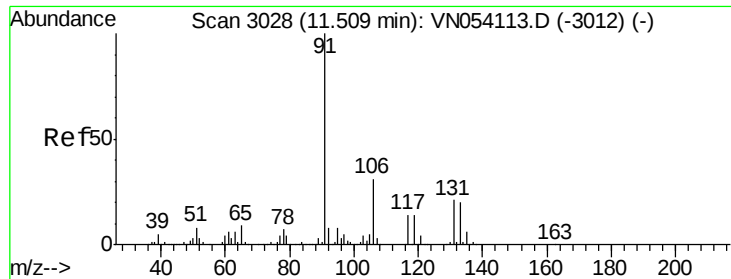
Tgt Ion:112 Resp: 90107
Ion Ratio Lower Upper
112 100
114 30.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.290 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion:131 Resp: 31693
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 66.6 33.8 101.3

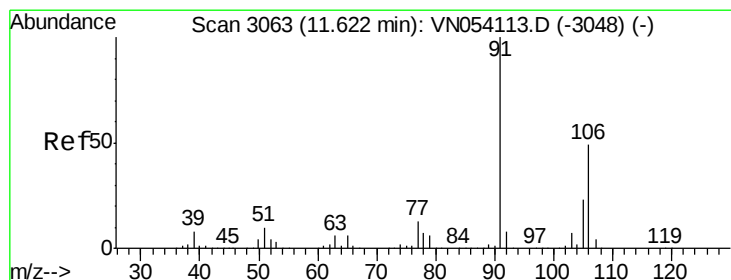
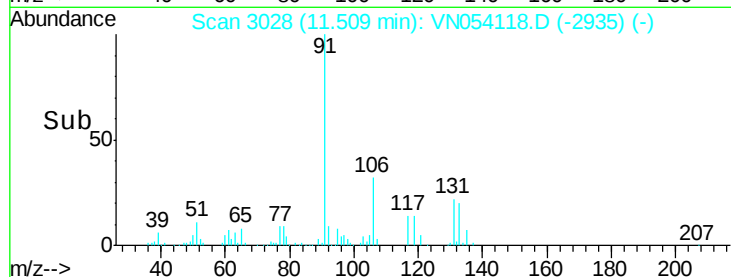
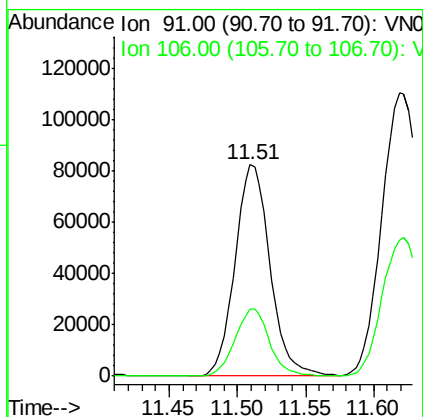
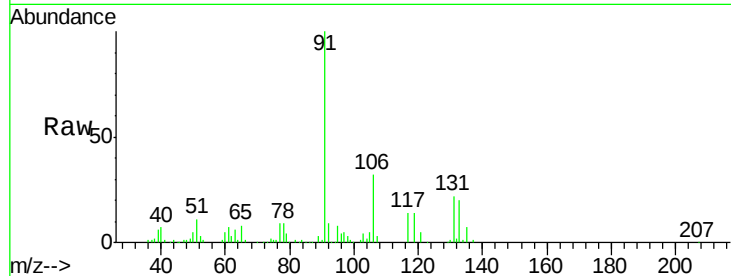




#67
Ethyl Benzene
Concen: 5.246 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

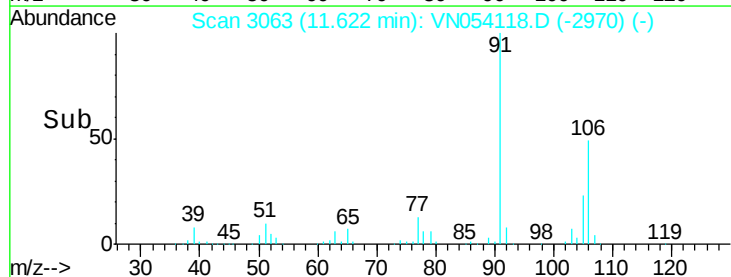
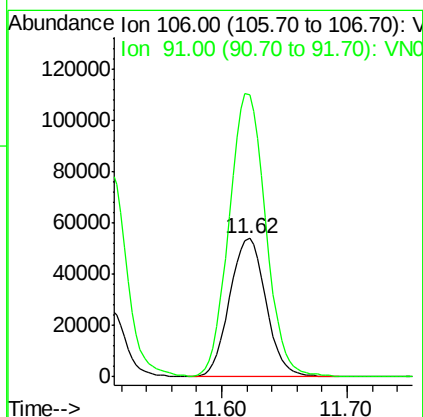
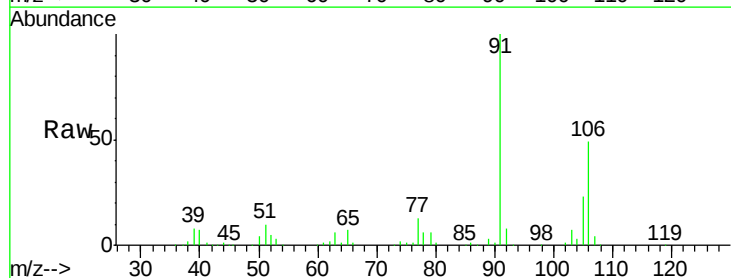
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

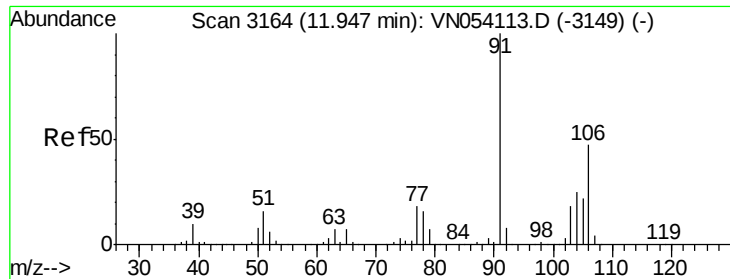
Tgt Ion: 91 Resp: 146929
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 10.353 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion: 106 Resp: 109422
Ion Ratio Lower Upper
106 100
91 205.0 163.2 244.8

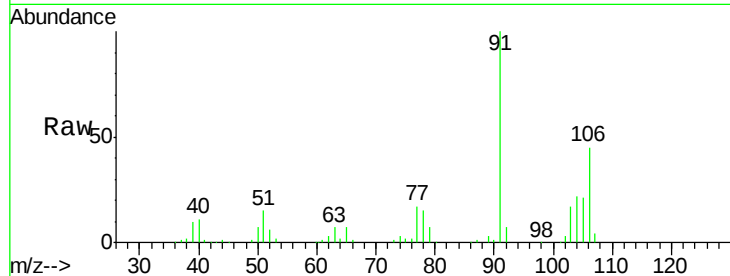




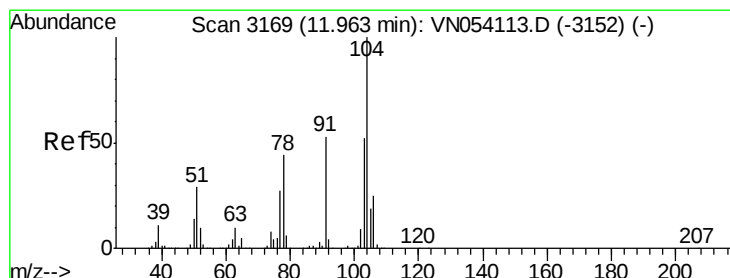
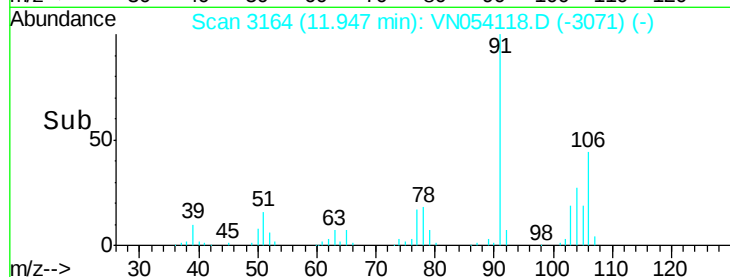
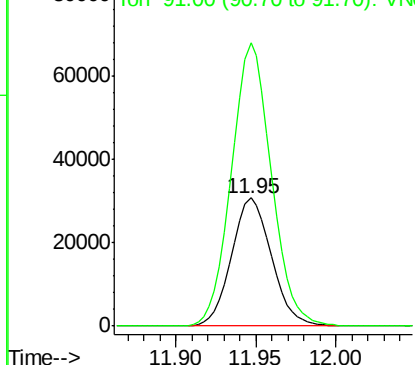
#69
o-Xylene
Concen: 5.162 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 52498
Ion Ratio Lower Upper
106 100
91 220.7 107.1 321.3

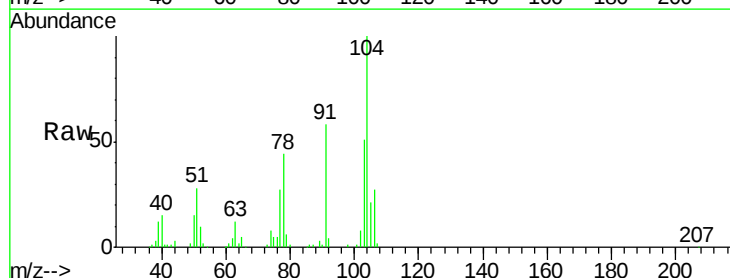


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

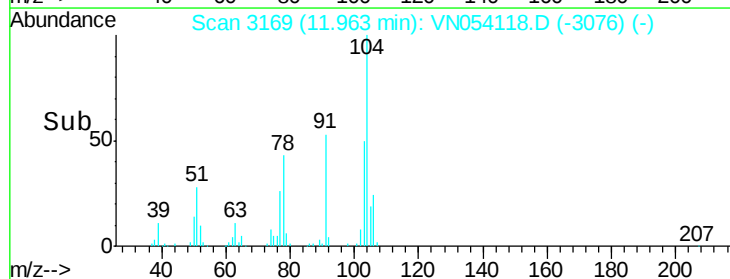
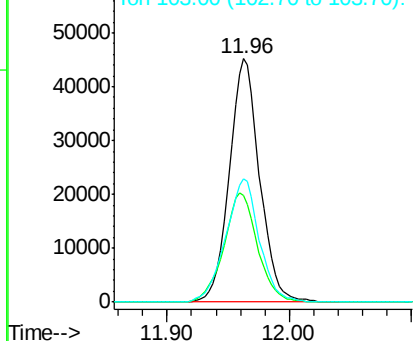


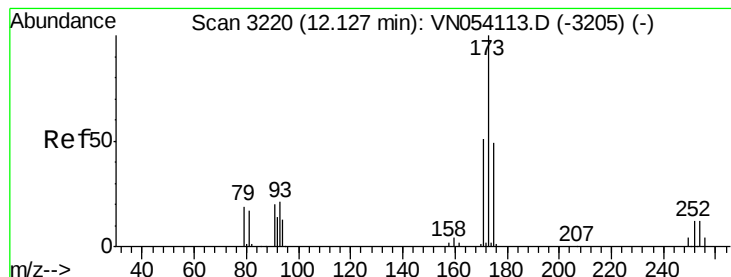
#70
Styrene
Concen: 4.835 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054118.D
Acq: 6 Mar 2019 14:04

Tgt Ion:104 Resp: 78052
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.0
103 56.2 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 5.007 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

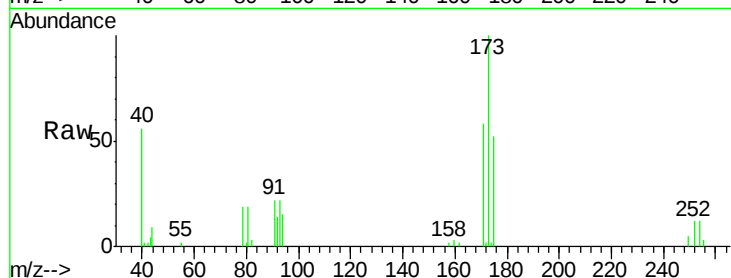
Tgt Ion:173 Resp: 20646

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.2

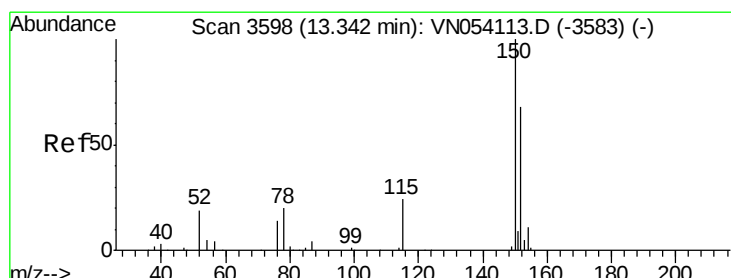
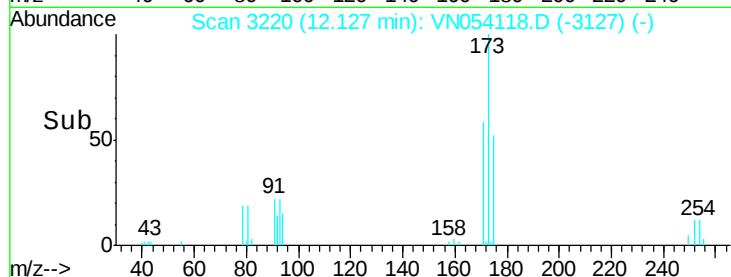
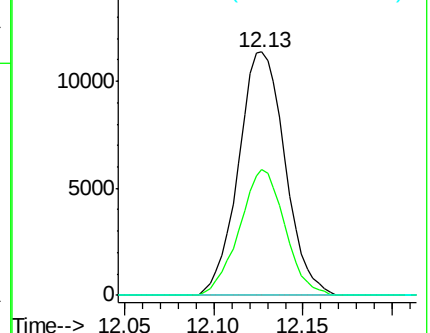
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

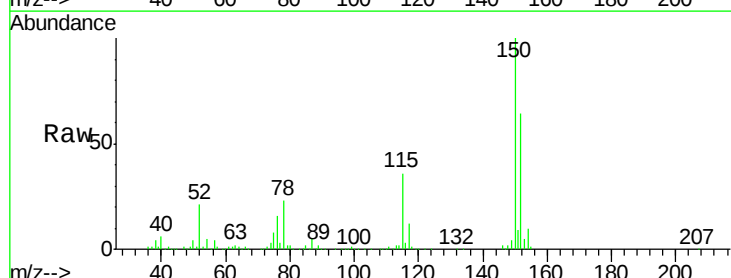
Tgt Ion:152 Resp: 310985

Ion Ratio Lower Upper

152 100

115 57.2 28.5 85.6

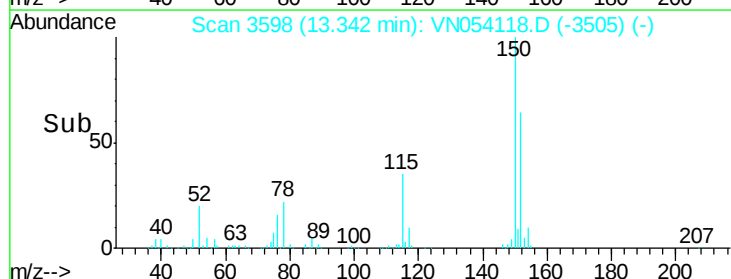
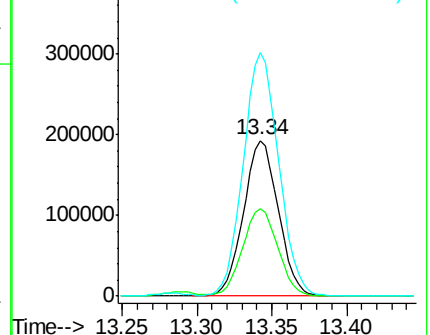
150 160.1 0.0 343.2

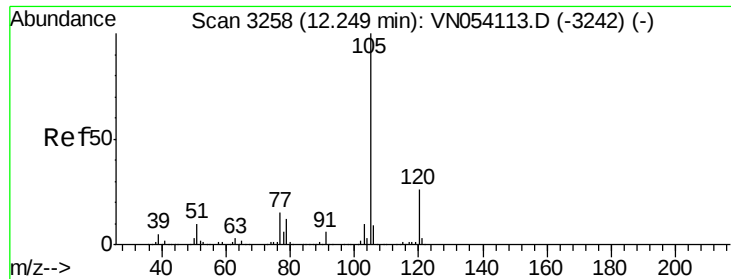


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.727 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

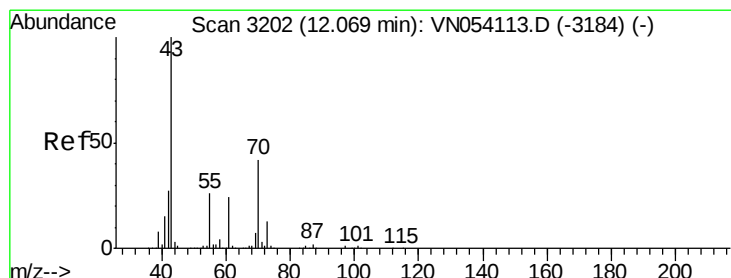
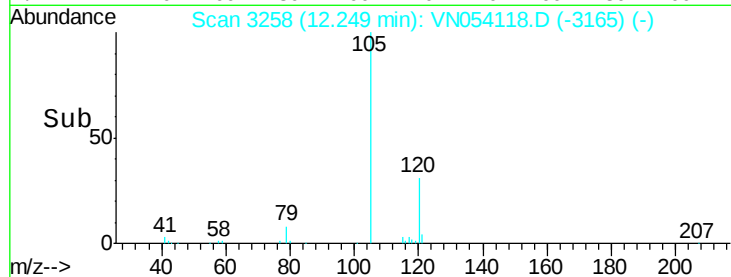
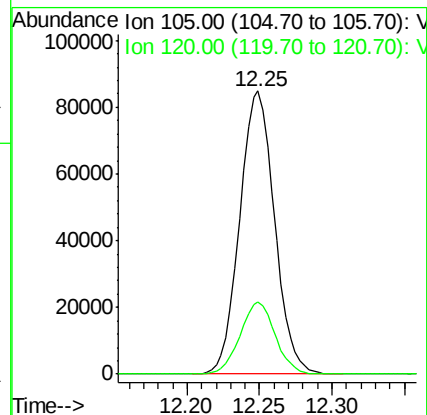
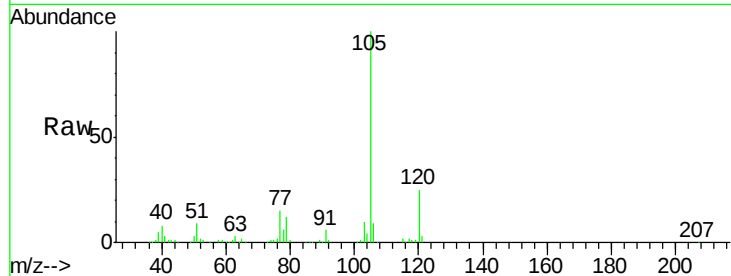
VSTDIC005

Tgt Ion: 105 Resp: 141718

Ion Ratio Lower Upper

105 100

120 25.6 13.3 39.8



#74

N-ethyl acetate

Concen: 5.187 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Tgt Ion: 43 Resp: 33992

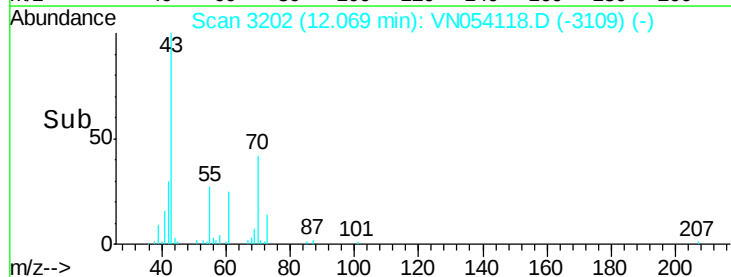
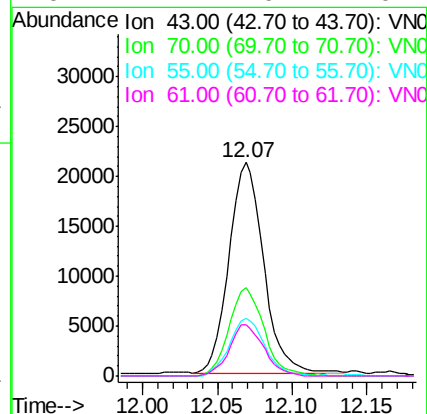
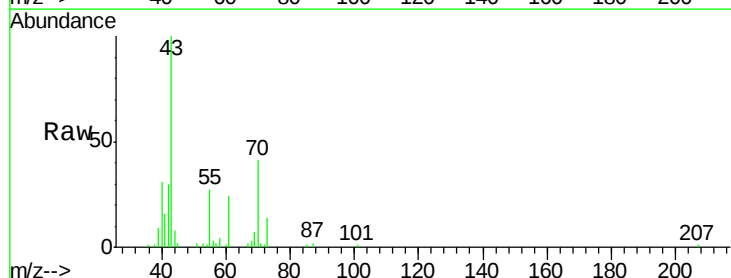
Ion Ratio Lower Upper

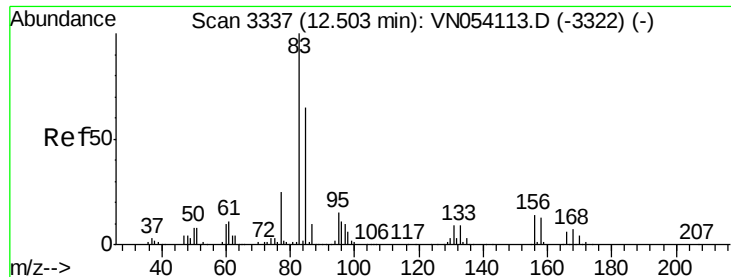
43 100

70 42.4 33.6 50.4

55 27.9 20.6 31.0

61 24.4 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 6.000 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

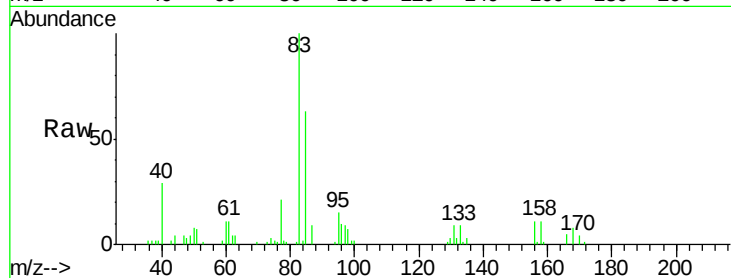
Tgt Ion: 83 Resp: 38643

Ion Ratio Lower Upper

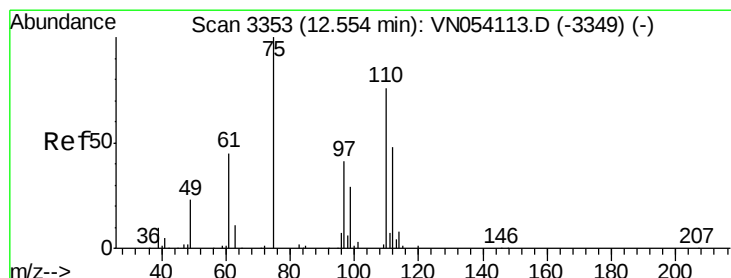
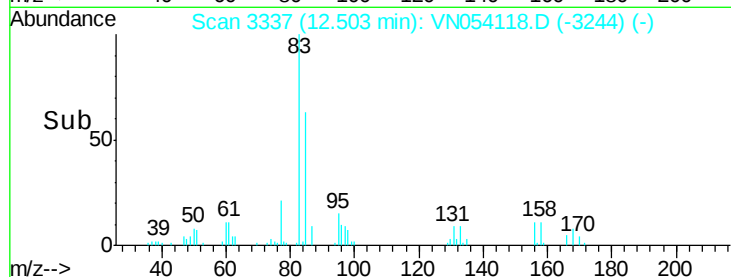
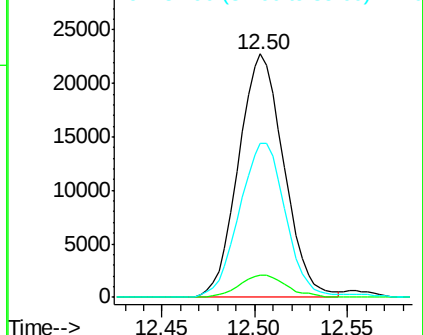
83 100

131 9.5 5.0 14.9

85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 9.317 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054118.D

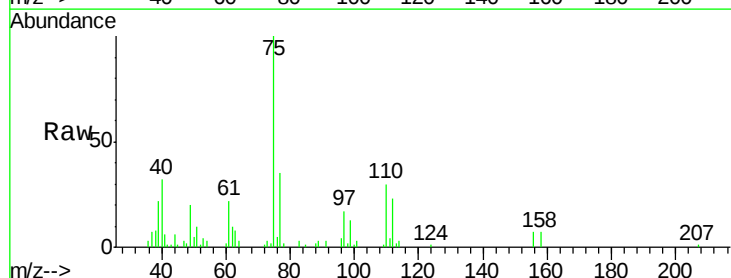
Acq: 6 Mar 2019 14:04

Tgt Ion: 75 Resp: 45304

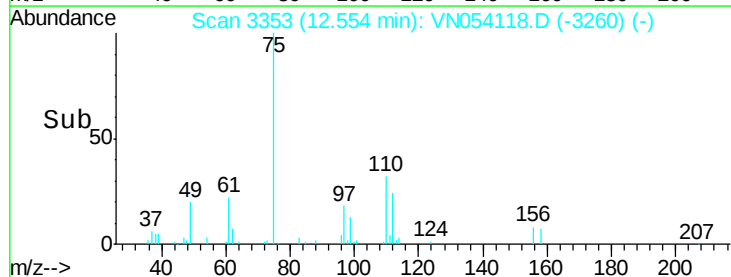
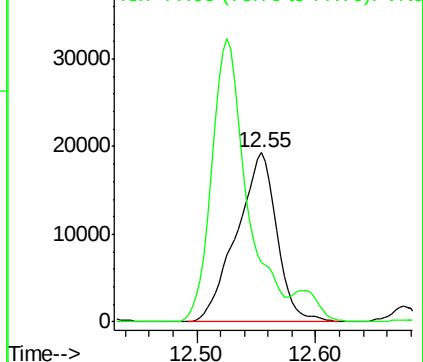
Ion Ratio Lower Upper

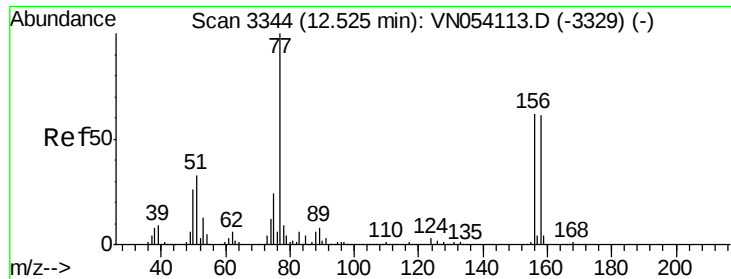
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 5.526 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

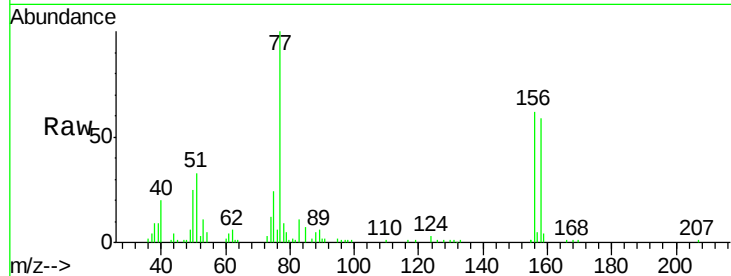
Tgt Ion:156 Resp: 35228

Ion Ratio Lower Upper

156 100

77 187.1 93.6 280.8

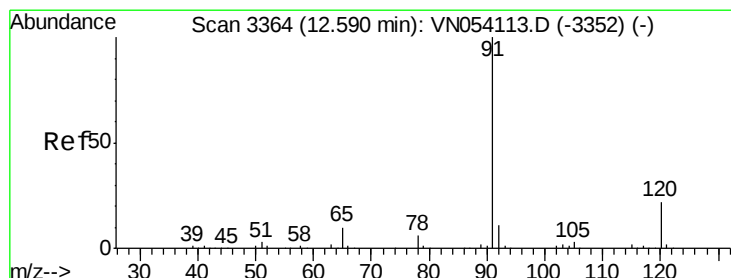
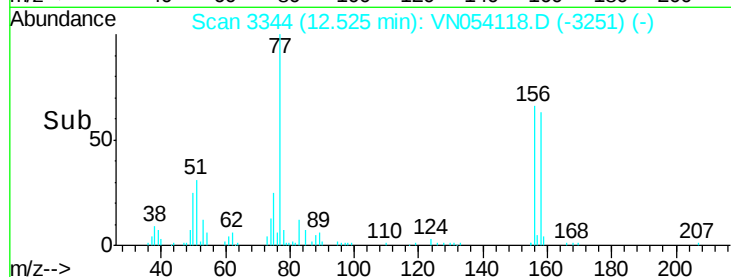
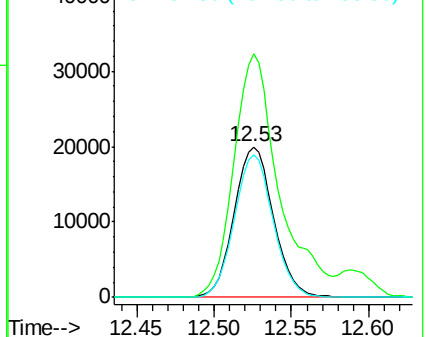
158 93.3 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.442 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054118.D

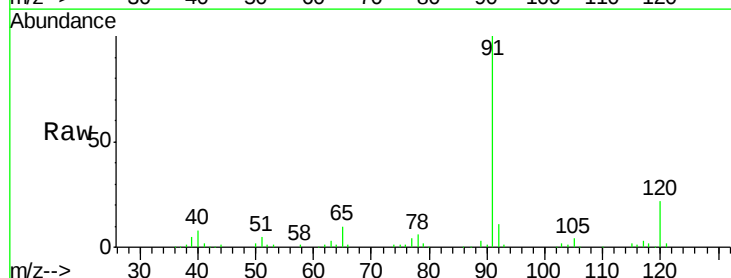
Acq: 6 Mar 2019 14:04

Tgt Ion: 91 Resp: 151520

Ion Ratio Lower Upper

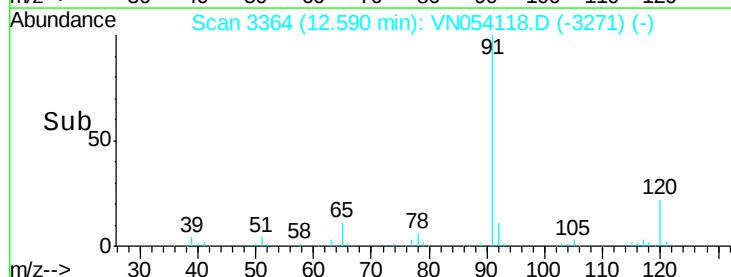
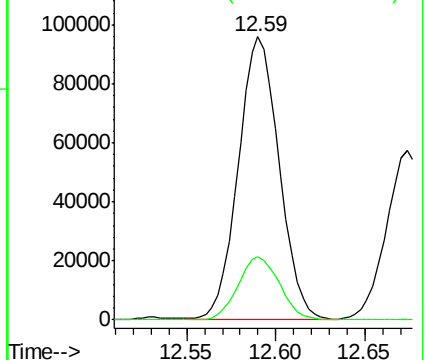
91 100

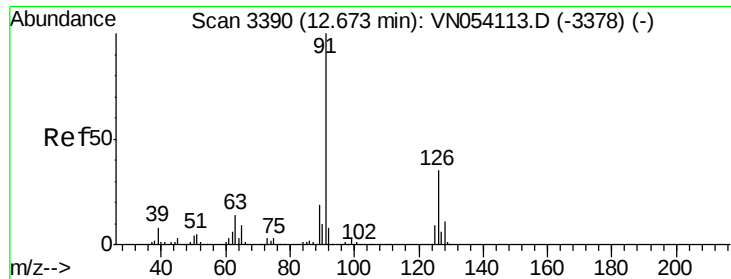
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.668 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

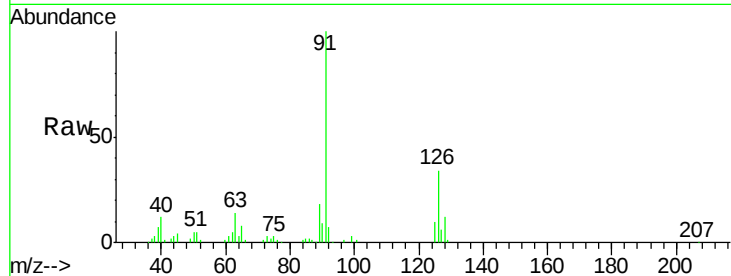
VSTDIC005

Tgt Ion: 91 Resp: 95852

Ion Ratio Lower Upper

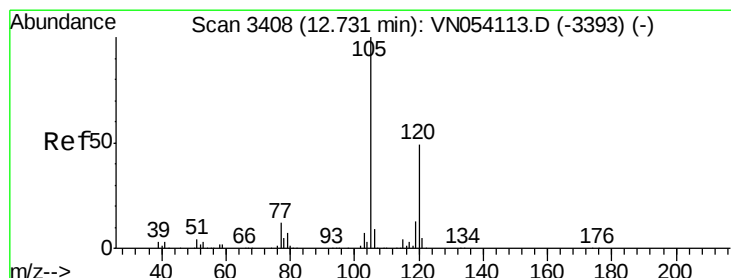
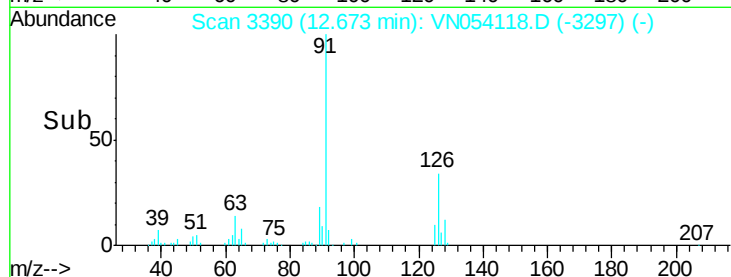
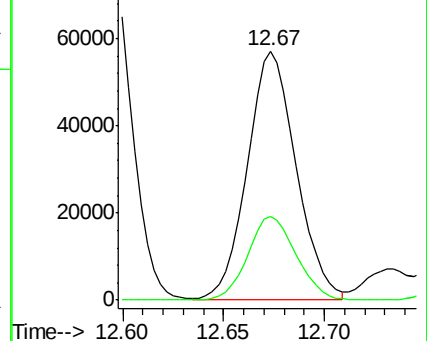
91 100

126 33.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN054118.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN054118.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.485 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054118.D

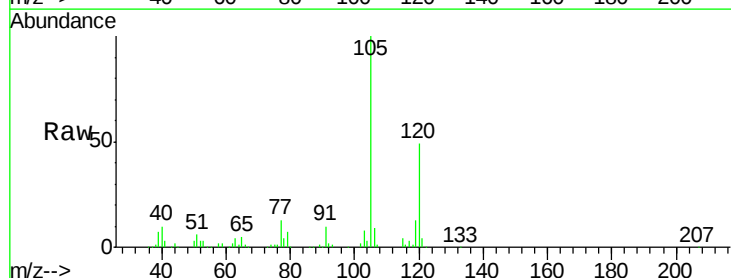
Acq: 6 Mar 2019 14:04

Tgt Ion: 105 Resp: 110333

Ion Ratio Lower Upper

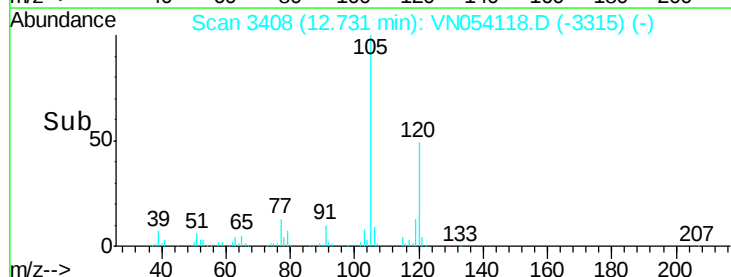
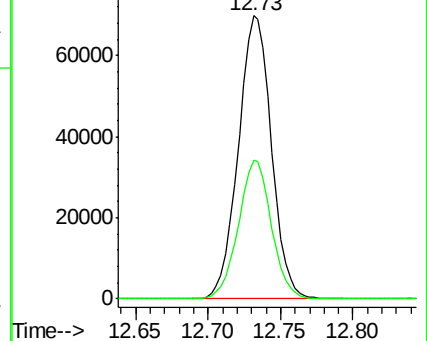
105 100

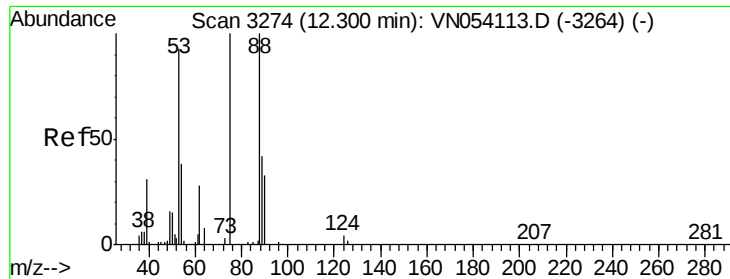
120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN054118.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054118.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.897 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

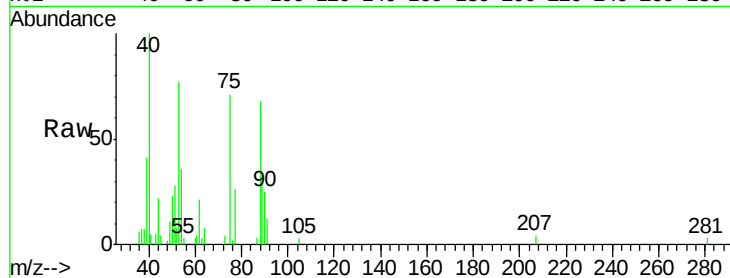
Tgt Ion: 75 Resp: 7557

Ion Ratio Lower Upper

75 100

53 119.8 76.4 114.6#

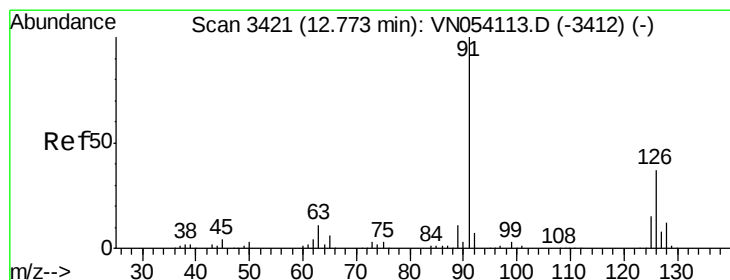
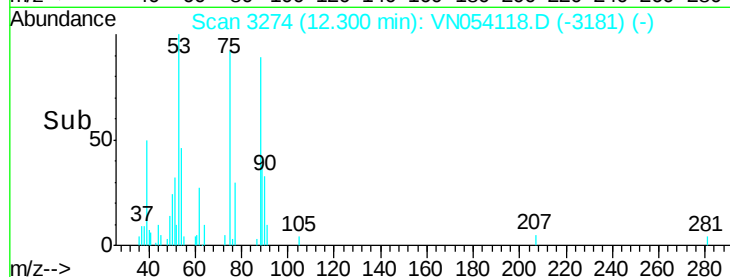
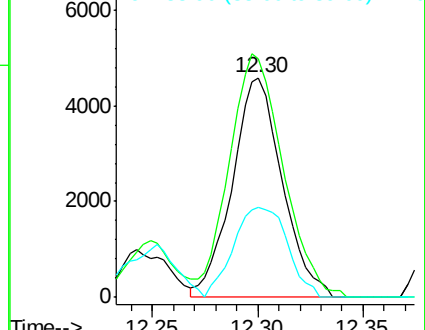
89 44.1 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.361 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054118.D

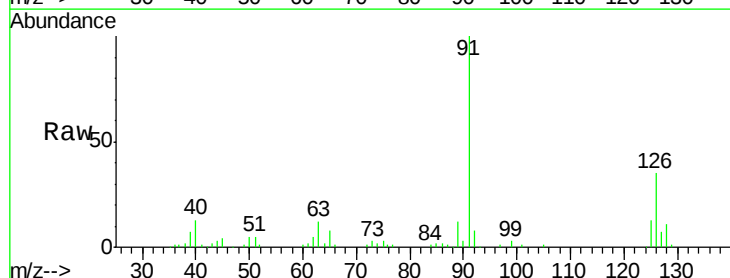
Acq: 6 Mar 2019 14:04

Tgt Ion: 91 Resp: 90370

Ion Ratio Lower Upper

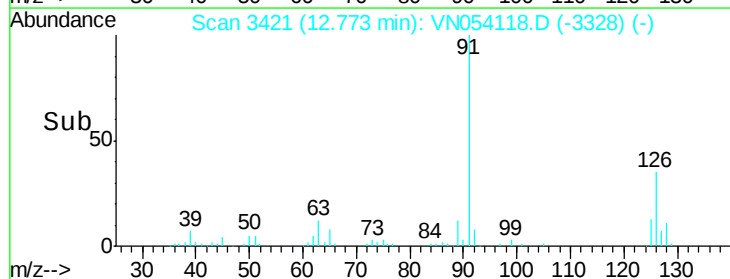
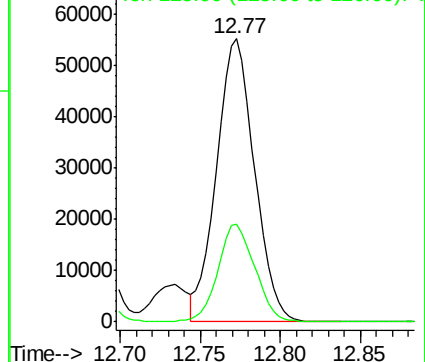
91 100

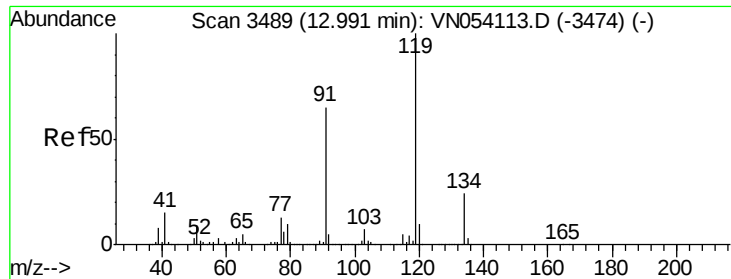
126 33.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

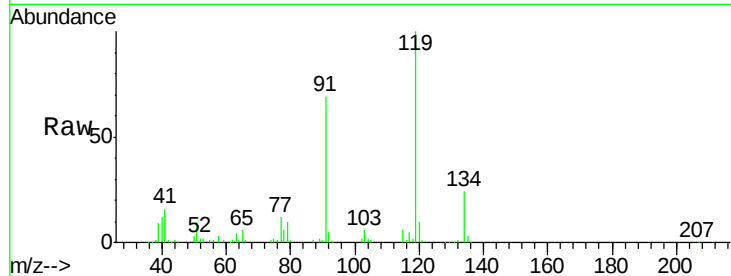




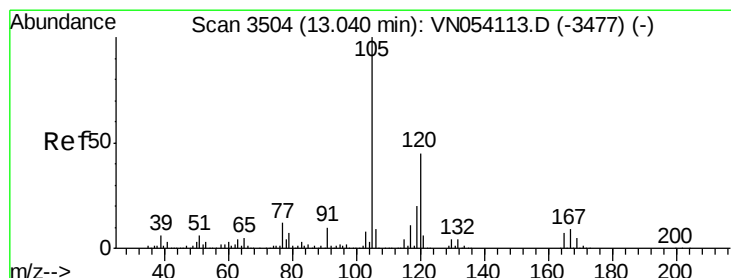
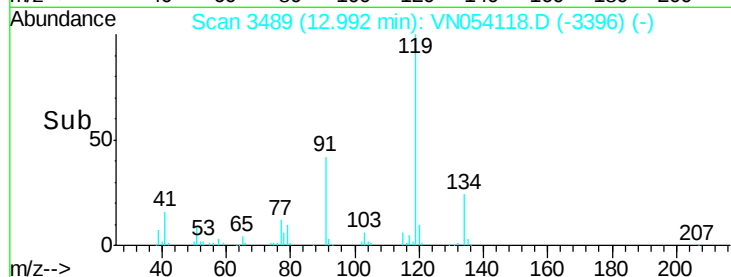
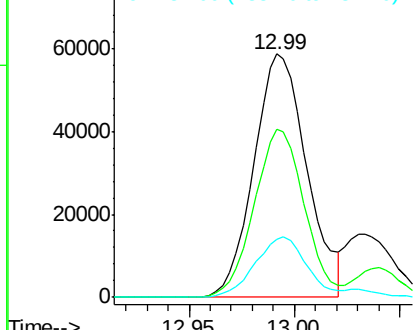
#83
 tert-Butylbenzene
 Concen: 5.764 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion:119 Resp: 102680
 Ion Ratio Lower Upper
 119 100
 91 65.0 31.8 95.3
 134 23.9 12.8 38.3

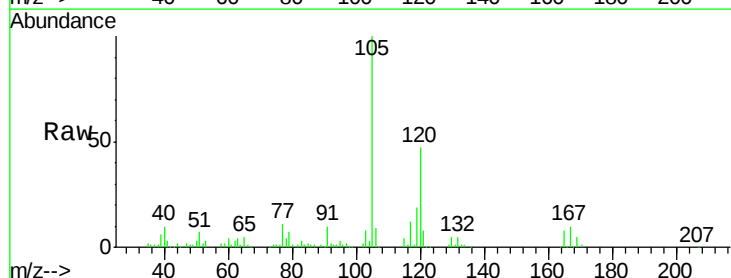


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

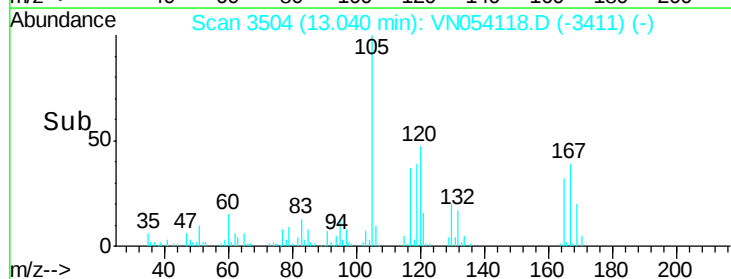
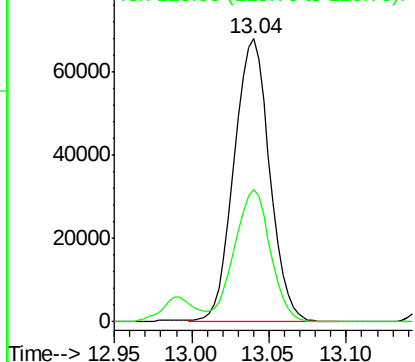


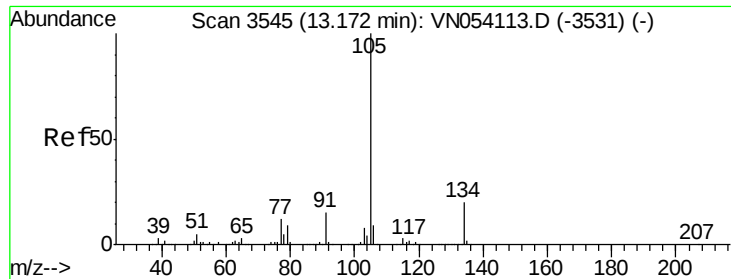
#84
 1,2,4-Trimethylbenzene
 Concen: 5.455 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion:105 Resp: 108900
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

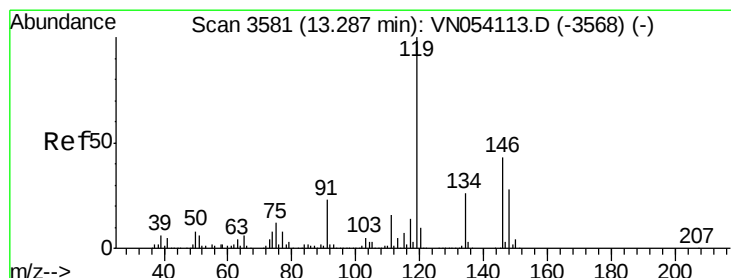
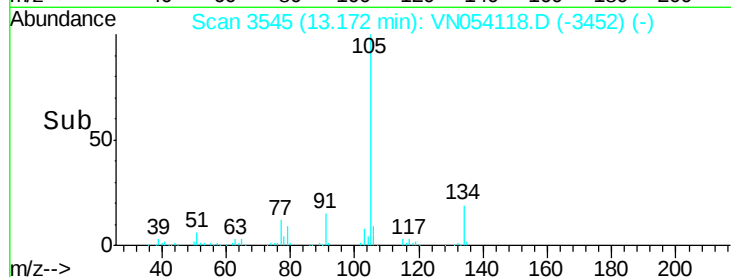
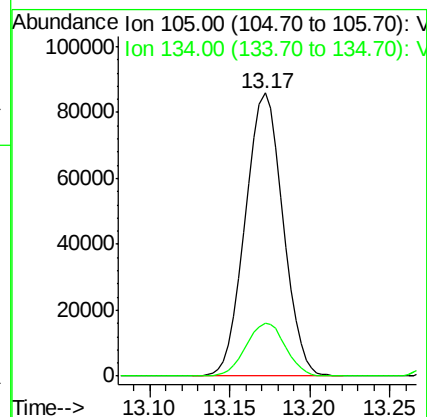
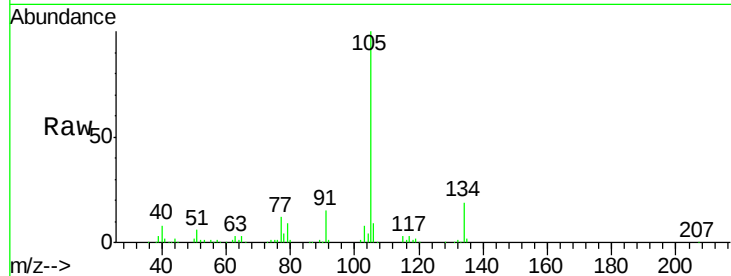




#85
 sec-Butylbenzene
 Concen: 5.704 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

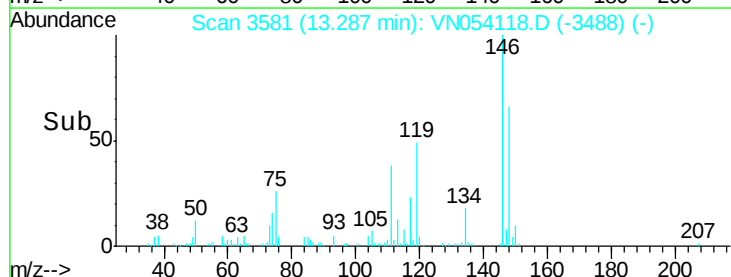
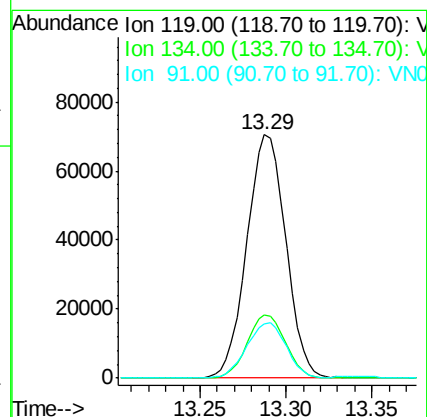
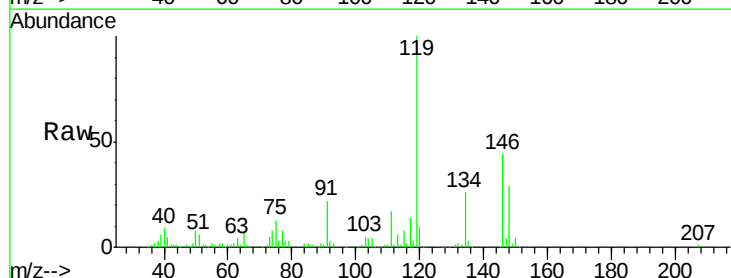
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

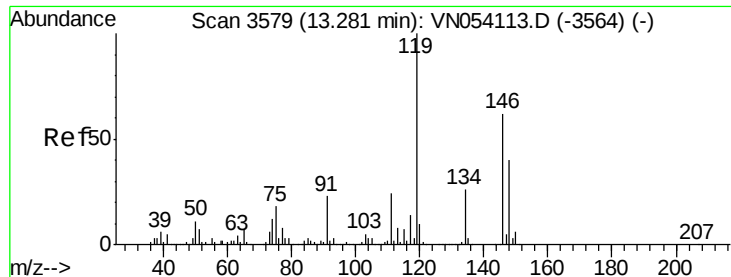
Tgt Ion:105 Resp: 137879
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 5.452 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion:119 Resp: 110792
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 23.4 11.4 34.2

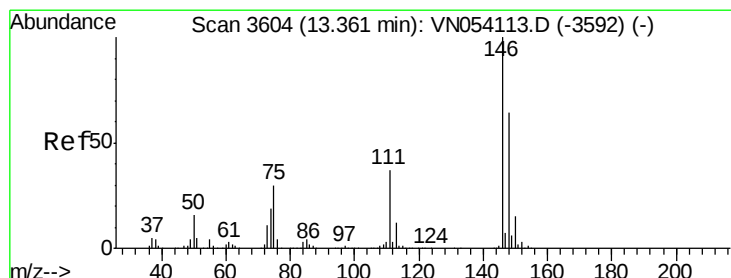
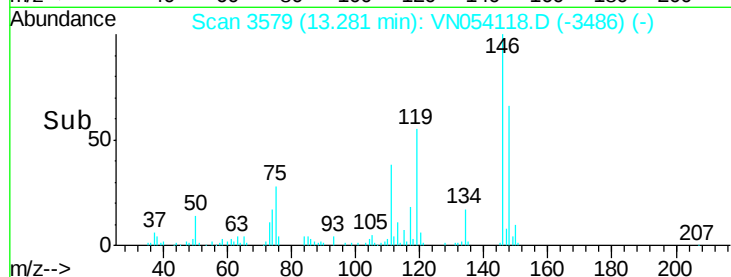
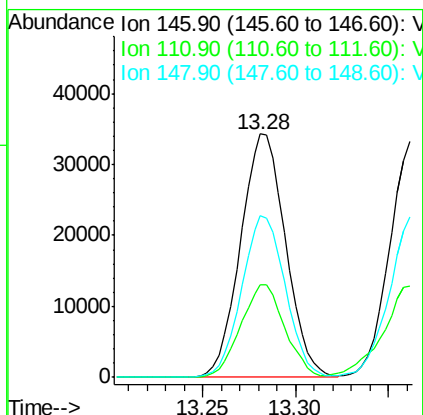
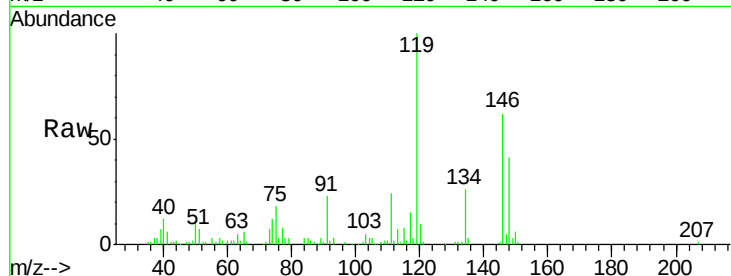




#87
 1,3-Dichlorobenzene
 Concen: 5.358 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

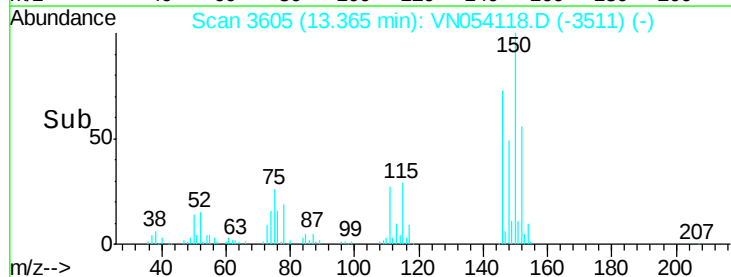
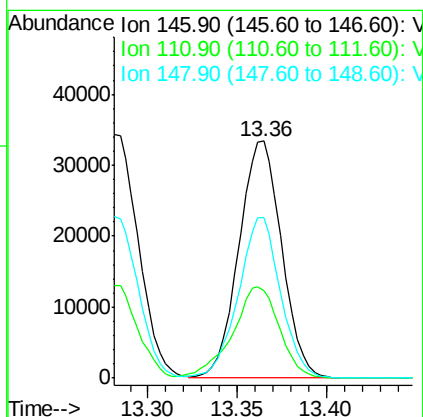
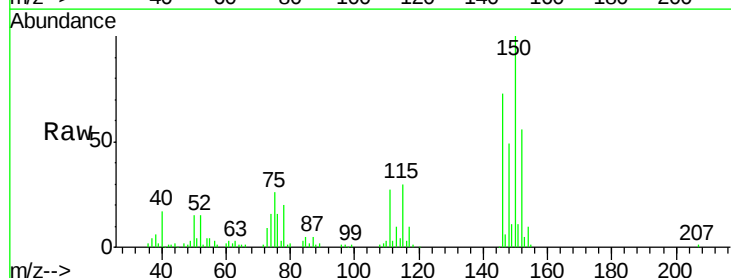
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

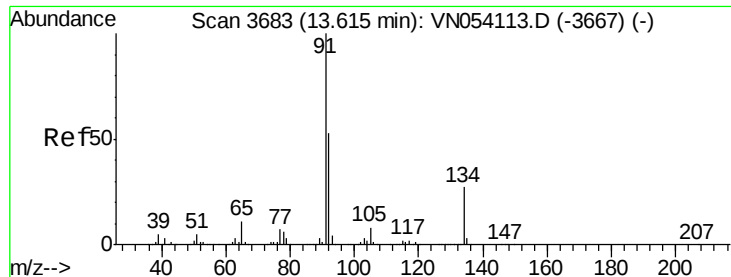
Tgt Ion:146 Resp: 58026
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.3 57.8
 148 64.3 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 5.205 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion:146 Resp: 55933
 Ion Ratio Lower Upper
 146 100
 111 42.3 18.9 56.5
 148 67.1 32.1 96.5





#89

n-Butylbenzene

Concen: 4.937 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

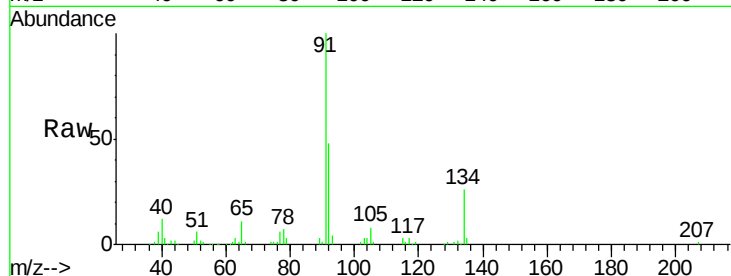
Tgt Ion: 91 Resp: 84716

Ion Ratio Lower Upper

91 100

92 50.6 26.0 78.0

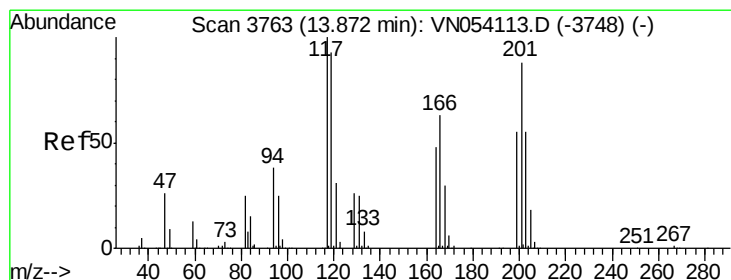
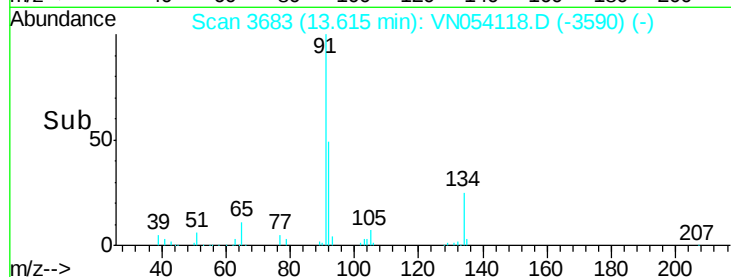
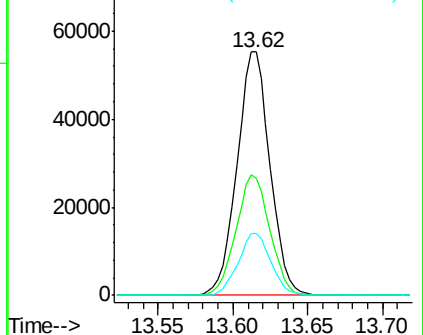
134 25.3 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VN054113.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054113.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054113.D (-3667) (-)



#90

Hexachloroethane

Concen: 5.670 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054118.D

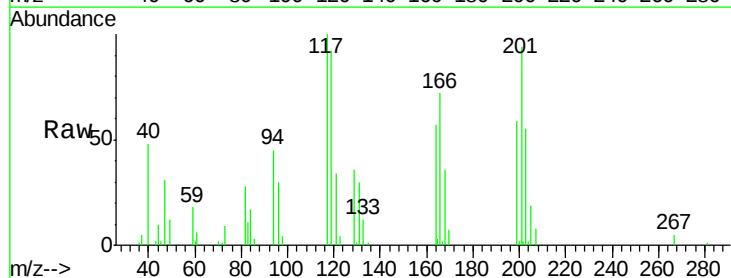
Acq: 6 Mar 2019 14:04

Tgt Ion: 117 Resp: 22101

Ion Ratio Lower Upper

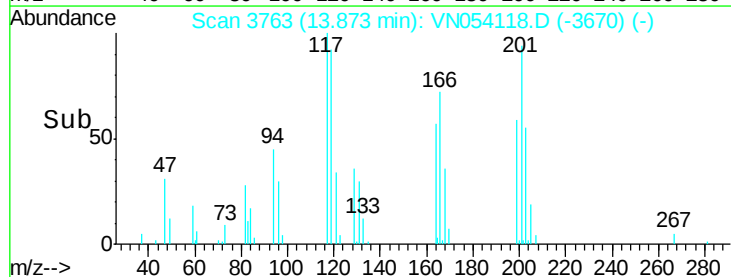
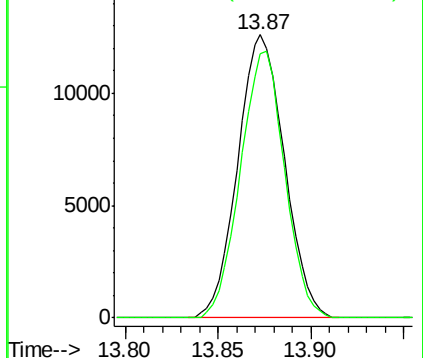
117 100

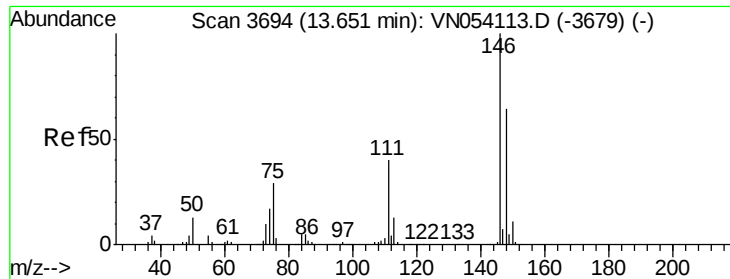
201 89.3 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): VN054113.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054113.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 5.365 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

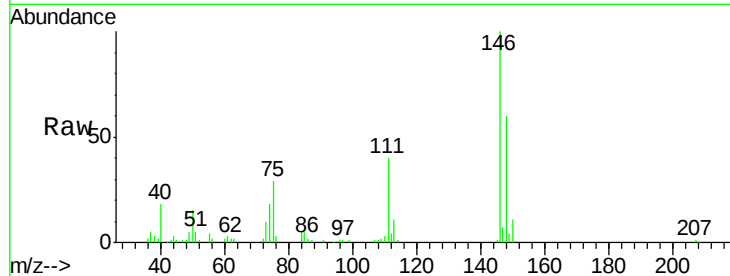
Tgt Ion:146 Resp: 57835

Ion Ratio Lower Upper

146 100

111 40.4 20.0 60.0

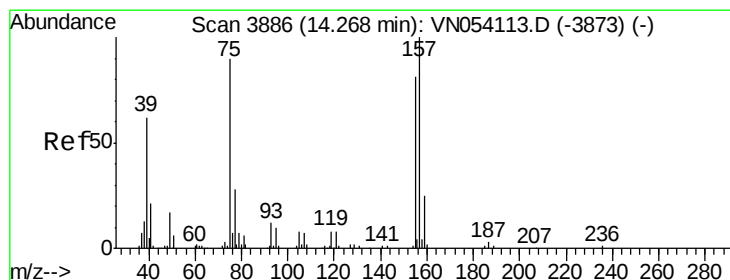
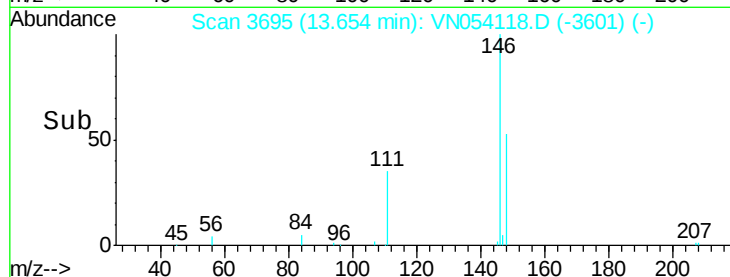
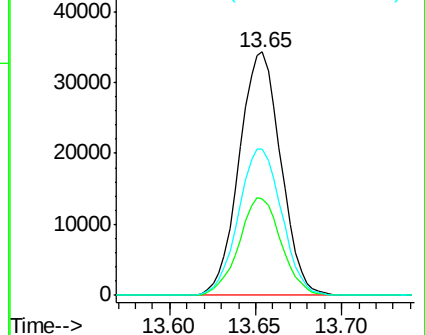
148 62.4 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.721 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

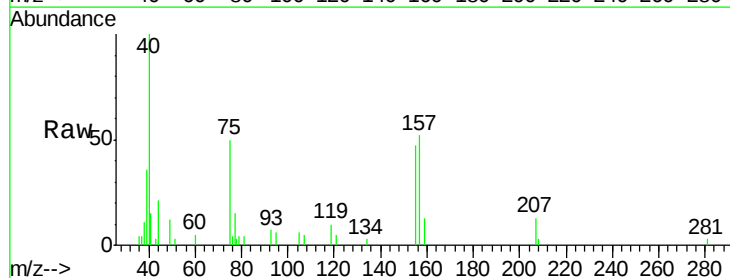
Tgt Ion: 75 Resp: 5165

Ion Ratio Lower Upper

75 100

155 90.2 44.5 133.5

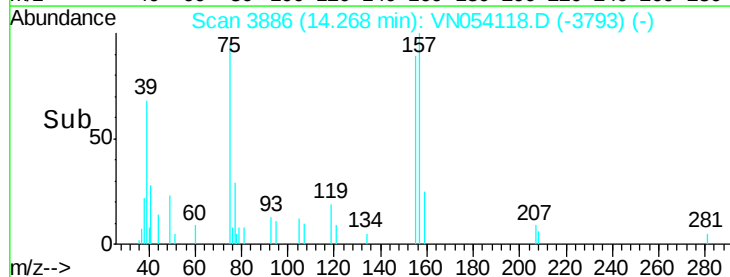
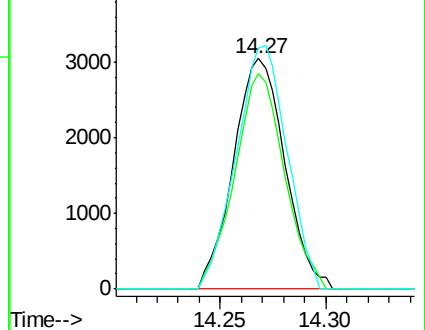
157 104.5 57.2 171.6

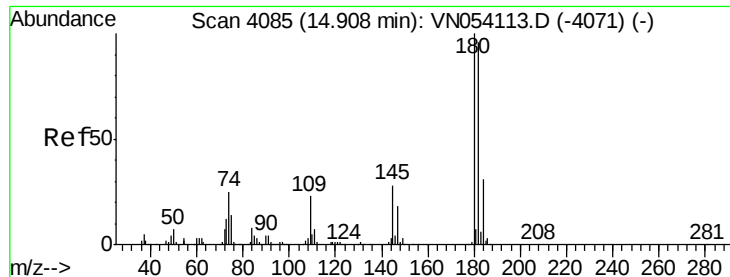


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

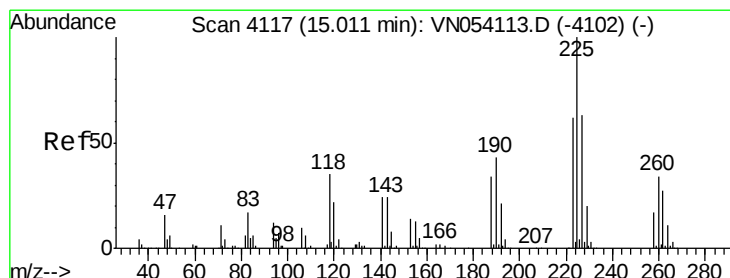
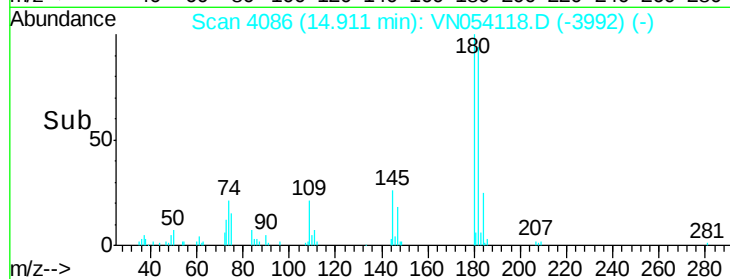
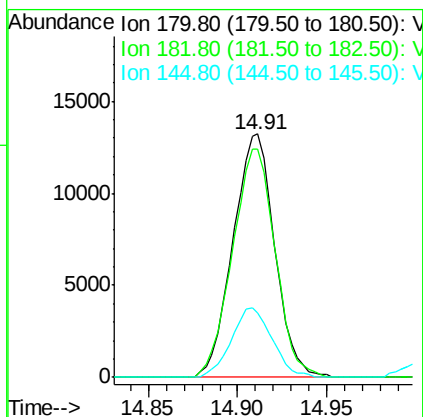
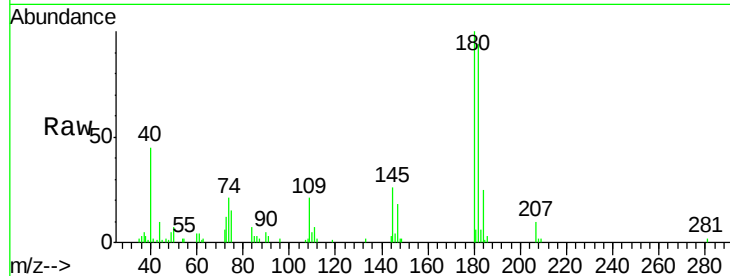




#93
 1,2,4-Trichlorobenzene
 Concen: 4.196 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

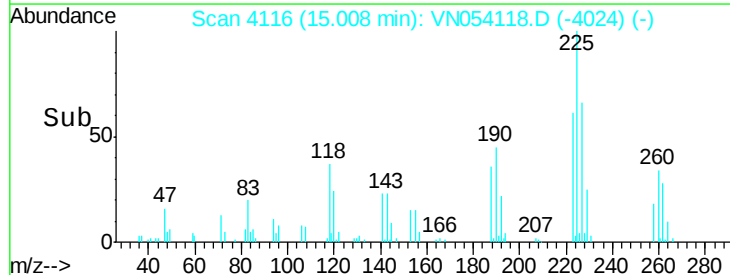
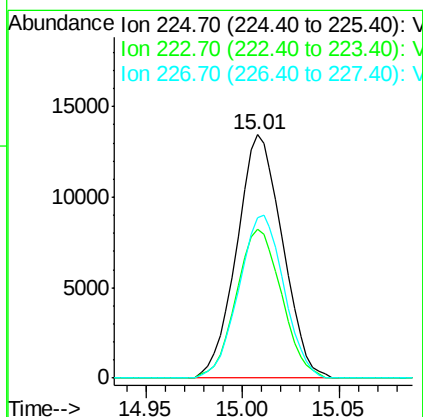
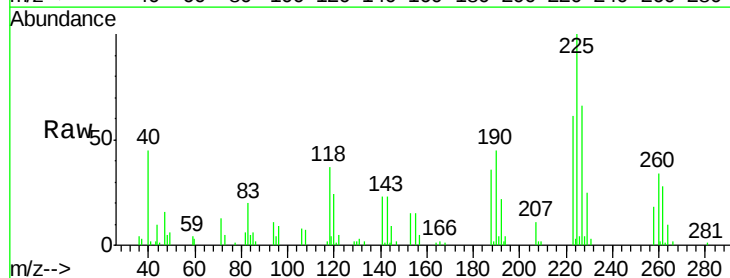
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

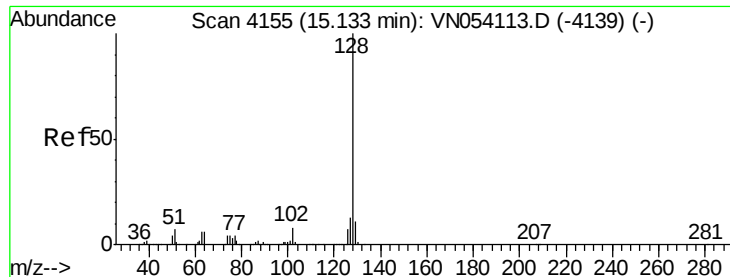
Tgt Ion:180 Resp: 21592
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.1 144.3
 145 27.8 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 5.730 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054118.D
 Acq: 6 Mar 2019 14:04

Tgt Ion:225 Resp: 22109
 Ion Ratio Lower Upper
 225 100
 223 60.4 31.2 93.6
 227 66.2 31.9 95.7





#95

Naphthalene

Concen: 3.628 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

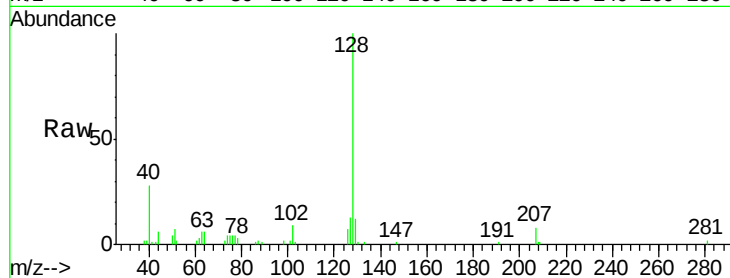
Tgt Ion:128 Resp: 38505

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

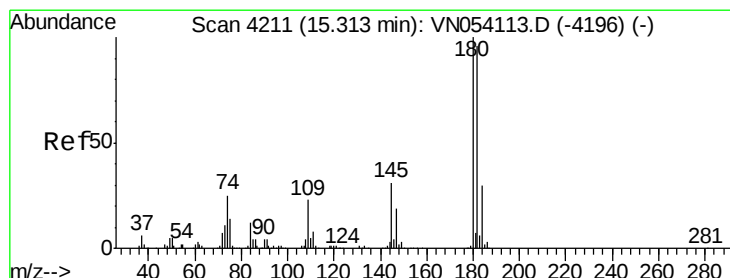
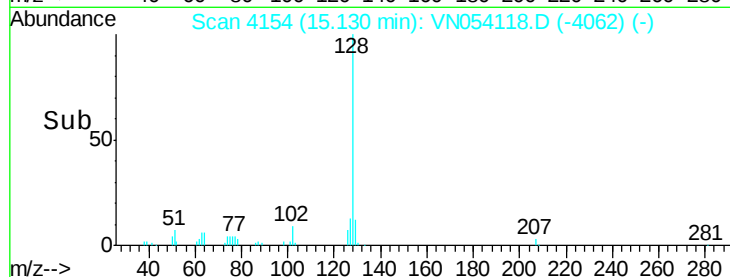
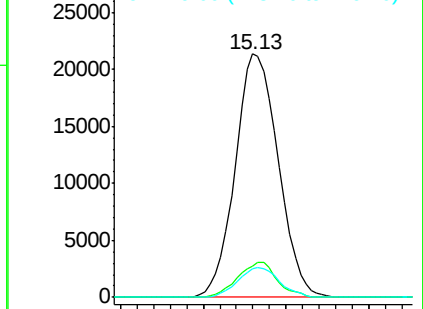
129 11.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.251 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054118.D

Acq: 6 Mar 2019 14:04

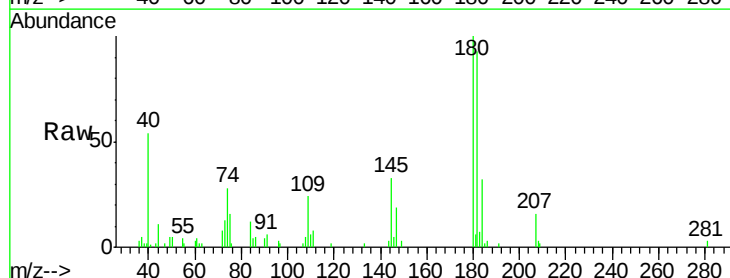
Tgt Ion:180 Resp: 22016

Ion Ratio Lower Upper

180 100

182 91.7 47.9 143.7

145 31.4 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

